

SEQUENCE LISTING

<110> Xu, Jiangchun
 Lodes, Michael J.
 Secrist, Heather
 Benson, Darin R.
 Meagher, Madeleine Joy
 Stolk, John A.
 Wang, Tongtong
 Jiang, Yuqiu
 Smith, Carole L.
 King, Gordon E.
 Wang, Aijun
 Clapper, Jonathan D.
 Skeiky, Yasir A. W.
 Fanger, Gary R.
 Vedvick Thomas S.
 Carter, Darrick

<120> COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 OF COLON CANCER AND METHODS FOR THEIR USE

<130> 210121.471C14

<140> US

<141> 2001-12-19

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<211> 332

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<213> Homo sapiens

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 gtsrattcsa catttggggt akrtymtctc tsgaagysam tgtcakgcag tgrcayccwr 180
 gkktcwgawt gcwgtgrgtt amcakcmwtr ywtagksgsm ayatrattta ramrgtayak 240
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<211> 401

<212> DNA

<213> Homo sapiens

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 tctgggtccag gatgacggct tgataagctg atgctgtaat ttcattcttg ctggcctggc 240
 tgccctgccca aacgtagagc aggtaatgct gcttctcgcc gatgaaggta ggtgtaagag 300
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<211> 1151

<212> DNA

<213> Homo sapiens

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 ttggtccctc gaggagctcc agatattaat ctacctaaact aagtccccag gtttcttcca 180
 ggcatggaag aattagtggg gctacatgga tgaggactag tcattgggca atatttcctg 240
 taaaaagaat ccctagacgc catactgagt ttttaagttcc ttaattccta atttaaggct 300
 tctagtgaag cctcctcaca gtaggcttca ctaggcccac agtgccccta gacctctgac 360
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<210> 9
<211> 604
<212> DNA
<213> Homo sapiens

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<210> 10
<211> 473
<212> DNA
<213> Homo sapiens

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<400> 10
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<210> 11
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
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<222> 251, 276, 406, 409
<223> n = A,T,C or G

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<400> 11

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cagctcatca gtcaggactc gcctgccac catatggtaa gcsgragggc atttgagcag 360
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<210> 12
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<212> DNA
<213> Homo sapiens

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<400> 12
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cttgcttctg atcctgctcc tgcagggtgg cgacagggtat cctaggagct gttttcaaatt 480
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<210> 13
<211> 150
<212> DNA
<213> Homo sapiens

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<400> 13
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caaaataaaa gtaactgttt acgttggtga 150

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<210> 14
<211> 403
<212> DNA
<213> Homo sapiens

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<400> 14
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gagttctgtc cctgaggttg gtacagcagc cttggttcct ctg 403

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<210> 15
<211> 688
<212> DNA
<213> Homo sapiens

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$\langle 223 \rangle$ n = A, T, C or G

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tatagactag	gacttgaaca	tcaaaggaaa	aatagacaaa	gactagatga	taaagtcatt	120
caaaagcaca	gaagcacatc	acatacacca	gcaagggttc	caactactgc	actgattaac	180
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ttctgacgtg	cctttggaag	gaagttatga	ggtagaagat	tctactgact	tttagtaagg	600
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tggcangtnc	nanntaatnc	atanaaaag				688

<213> Homo sapiens

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caaatggtat	gtttttcagt	acagttggat	gtcgtcctac	aagatgtggt	gaatttgaaa	180
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gatactcaac	tcaaataatt	tgaaaaaacag	tttgaactgt	cagaacaac	aaaattacca	360
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<213> Homo sapiens

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ccagtgggct	gatgctggga	cccttaggat	ggggctccca	gctcctttct	cctgtgaatg	300
gaggcagaag	acctccaata	aagtgccttc	tgggcttttt	ctaacctttg	tcttagctac	360
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<213> Homo sapiens

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ccgagatagg taacagatga ggaagaaatt tgggcttgat tgaagtaatg ggggctgtct 360
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<210> 19
<211> 401
<212> DNA
<213> Homo sapiens

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<400> 19
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<210> 20
<211> 331
<212> DNA
<213> Homo sapiens

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<400> 20
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tcgatgatct tgaagtaatg gtcacagctc ctgacctggg gtcccttctt ctccaagtgc 180
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taagaggcca ggcggtcggt caggctttgc atgggtctct tctcgttctg gatgcctccc 300
attcctgccg gacccccggc tatcccgggt g 331

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<210> 21
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<212> DNA
<213> Homo sapiens

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<220>
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<222> 257
<223> n = A,T,C or G

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agcttatgtc cagaccttct ggatccttgg cagtcacatt gccacttta gtgcctatag 180
ctacatcctc actgacttct gcttgggaata cgtgttggga aaattgaggt gcttcattca 240
catctgtcac aataagncgi gaacttggca aaagaacttg cattgtactt cacaccaaac 300
actagaggct caggattttc tgctttgaac acaatgttgg aaacag 346

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<210> 22
<211> 360

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<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 81, 146, 291, 355
 <223> n = A,T,C or G

<400> 25
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 gcaattacaa caatttagga nacaaaaacaa tataaacaaa agaattgttaa atagtttttt 120
 ttaaaaaata gcttggttgct tgcaanaaaag tccatataat cttattcccc cccaaatata 180
 atttttatact ttgcactaaa ccaaaatagc ttatggaaaa ttagtattaa atagctaaac 240
 acagaaaacc tacagctata aataacataa aatacagttt aactttaatg ngatgcttaa 300
 acaaagcaaa ctatgatgca atatgaatca acttcattaa ttggacaagt ccagnggagg 360
 cacaaattag ataagcacta a 381

<210> 26
 <211> 401
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 219, 236, 276, 300, 303, 310, 325, 330, 335, 359, 374, 380,
 390
 <223> n = A,T,C or G

<400> 26
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 gaaggagctg gagtttgaca cgaatatgga tgcagtacag atggtgatta cagaagccca 120
 gaagggttgat accagaagcc aagaacgctg gggttacaat ccaagacaca ctcaacacat 180
 tagacgggct cctgcattct gatggaccaaa ccttttcang tggtaagatt gaagangggg 240
 cctgggctta cctgggaagc aaaaaactttt cccganccaa ggaacccagg attcaaccan 300
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 38, 49, 100, 142, 147, 181, 250, 258, 272, 274, 297,
 340, 341, 366, 368, 377
 <223> n = A,T,C or G

<400> 27
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 aagttttgaa aattaagatg cnggtanagc ttctgaaacta atgcccacag ctccaaggaa 180
 nacatgtcct atttagtta tcaaatacca gttgagggca ttgtgattaa gcaaacaata 240
 tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc 300
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<220>
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 <222> 212
 <223> n = A,T,C or G

<400> 28
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 caatcaccat tggagaataa cttttattaa taagtgtcat gagctctgcg aacttaccc 180
 tgctcttttg gtggttccgt atcgtgcctc anatgatgac ctccggagag ttgcaacttt 240
 taggtcccga aatcgaattc cagtgtgtc atggattcat ccagaaaata agacgggtcat 300
 tgtgcgttgc agtcagcctc ttgtcgggat gagtgggaaa cgaaataaag atgatgagaa 360
 atatctcgat gttatcaggg agactaataa acaaatcttct a 401

<210> 29
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 29
 atatgagttt gccatctcca tggatgccat ttcaatgcct tcagggtaat cattctctcc 60
 ccaaagactg cccacggggg catcactcct gtgacgaaat gagggctgga ttgaagatgt 120
 tctgtgagc acccccctgg tcactcttgg ggtctcagaa gagccataat catgaccatt 180
 ctgagcatct gaataatcag gttctctcca agtgcctggc aagttctgat tgcctcagc 240
 actgggatag tctggctccc caaaaaaggg tggagagtta ggttgaatgt cagcgctgg 300
 ataatcaggc tttcccagag agtctgcgta tggattgatt ctaaaacttg tatgttccag 360
 attctttctg gatcctggat gggttcaaat ggctctgggt c 401

<210> 30
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 30
 cctgaactat ttattaaaaa catgaccact cttggctatt gaagatgctg cctgtatttg 60
 agagactgcc atacataata tatgacttcc tagggatctg aaatccataa actaagagaa 120
 actgtgtata gcttacctga acaggaatcc ttactgatat ttatagaaca gttgatttcc 180
 cccatcccca gtttatggat atgctgcttt aaacttggaa gggggagaca ggaagtttta 240
 attgttctga ctaaacttag gagttgagct aggagtgcgt tcatggtttc ttcactaaca 300
 gaggaattat gctttgcact acgtccctcc aagtgaagac agactgtttt agacagactt 360
 tttaaaatgg tgccctacca ttgacacatg cagaaattgg t 401

<210> 31
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 31
 acctcatta atgccaggtg ttcctcctct gatgccagga atgccaccag ttatgccagg 60

```

catgccacct ggattgcatc atcagagaaa atacacccag tcatttttgcg gtgaaaacat 120
aatgatgcca atgggtggaa tgatgccacc tggaccagga ataccacctc tgatgcctgg 180
aatgccacca ggtatgcccc cacctgttcc acgtcctgga attcctccaa tgactcaagc 240
acaggctgtt tcagcgccag gtattcttaa tagaccacct gcaccaacag caactgt 297

```

<210> 32

<211> 401

<212> DNA

<213> Homo sapiens

<400> 32

```

caaacctgga gccaaaaagg acacaaagga ctctcgaccc aaactgcccc agaccctctc 60
cagagggttg ggtgaccaac tcattctggac tcagacatat gaagaagctc tatataaatc 120
caagacaagc aacaaaaccct tgatgattat tcatcacttg ggtgagtgcc cacacagtca 180
agcttttaaag aaagtgtttg ctgaaaataa agaaatccag aaattggcag agcagtttgt 240
cctcctcaat ctggtttatg aaacaactga caaacacctt tctcctgatg gccagtatgt 300
ccccaggatt atgtttgttg acccatctct gacagttaga gcccgatatc actggaagat 360
attcaaaccg tctctatgct tacgaacctg cagatacagc t 401

```

<210> 33

<211> 401

<212> DNA

<213> Homo sapiens

<400> 33

```

agcagaggga caggaatcat tcggccactg ttcagacggg agccacaccc ttctccaatc 60
caagcctggc ccagaaagat cacaaagagc caaagaaact ggaggtgtc cagcgctcc 120
aggccagtga gttggttgtc acttactttt tctgtgggga agaaattcca taccggagga 180
tgctgaaggc tcagagcttg accctgggac actttaaaaga gcagctcagc aaaaagggaa 240
attataggta ttacttcaaa aaagcaagcg atgagtttgc ctgtggagcg gtgtttgagg 300
agatctggga ggatgagacg gtgctcccga tgtatgaagg ccgatttctg ggcaaagtgg 360
agcggatcga ttgagccctg gggctctggct ttggtgaact g 401

```

<210> 34

<211> 401

<212> DNA

<213> Homo sapiens

<400> 34

```

aacaatggct atgaaggcat tgtcgttgca atcgacccca atgtgccaga agatgaaaca 60
ctcattcaac aaataaagga catggtgacc caggcatctc tgtatctgtt tgaagctaca 120
ggaaagcgat tttatttcaa aaatgttgcc attttgattc ctgaaacatg gaagacaaag 180
gctgactatg tgagaccaa acttgagacc taaaaaatg ctgatgttct ggttgcttga 240
gtctactcct ccaggtaatg atgaacccta cactgagcag atggggcaac tgtggagaga 300
aggggtgaaa ggatcccacc tactcctga ttccattgca ggaaaaaagt tagcttgaat 360
atggaccaca aggtaagggc atttgtccat gaatggggct c 401

```

<210> 35

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n = A, T, C or G

catttcttcc	tactagactg	cccccttgat	ccactggcag	aaatgatggc	accaccttgt	60
cttcaggtgg	tgctccttca	ttattccaag	gatgcagcat	ctctatgggtg	ccaggtatgg	120
gggtaaagcc	tttggcgccc	tttccgcaat	ggcacatcag	cagtaaaagt	ggtaccaata	180
gcangaacag	aaagggcaaa	atcatgancg	caattgctgc	gggtcccaag	cccacatagg	240
aatcatgctg	ngcttccctg	cancgcgtgc	catgcaagac	actnacaaac	tgngantgta	300
aggacctgct	tttcaggaca	actaaaaccc	tgattgnctg	aaatcaggaa	ctgaatttca	360
cttctcccaa	gctttttctc	actttggtgc	aacancacac	t		401

<211> 401

<213> Homo sapiens

cctgctagaa	tcactgcgcg	tgtgctttcg	tggaaatgac	agttccttgt	tttttttgtt	60
tctgtttttg	ttttacatta	gtcattggac	cacagccatt	caggaactac	cccctgcccc	120
acaaagaaat	gaacagttgt	agggagaccc	agcagcacct	ttcctccaca	caccttcatt	180
ttgaagttcg	ggtttttgtg	ttaagttaat	ctgtacattc	tgtttgccat	tgttacttgt	240
actatacatc	tgtatatagt	gtacggcaaa	agagtattaa	tccactatct	ctagtgcctg	300
actttaaatc	agtacagtac	ctgtacctgc	acggtcaccc	gctccgtgtg	tcgccctata	360
ttgagggctc	aagctttccc	ttgttttttg	aaaggggttt	a		401

 $\langle 211 \rangle$ 401

<213> Homo sapiens

<221> misc feature

<222> 2, 3, 6, 9, 16, 18, 19, 23, 30, 33, 48, 56, 59, 62, 73, 75,
81, 85, 88, 89, 114, 116, 121, 137, 149, 158, 161, 168,
183, 192, 232, 251, 308, 345, 348, 354, 363, 369, 391, 397,
400, 401

<223> n = A, T, C or G

cnncntntgna	atggantnnt	tgnctaaaan	ganttgatga	tgatgaanat	ccctangang	60
antaagcatg	gancntgatc	ntttnctnng	cactccttta	cgacacggaa	acangnatca	120
ncatgatggt	accaganacc	ttatcacchna	cgcgcacnga	nctgactnat	tccaaagagt	180
tgnggttacg	gncatccggt	cattgctcgt	gccattgct	gcagggctga	tnctactggt	240
gcttattatg	ntggccctga	ggatgctcca	caatgaatat	aagcatgctg	catgatcagc	300
ggcaacanat	gctctgccgt	ttgcactaca	tctttcacgg	acacnatntc	gaanacgggc	360
acnttgcana	gttagacttg	gaatgcatgg	ngccggncan	n		401

<211> 401

<213> Homo sapiens

<400> 38


```

aattggctca ctctctcaag gcaagcactg tctcaaggca gtctcaaggc agagatgaca 60
cagcaaaaaa cagaggggga gaaaaaagtc tattattggc ttgtgattta caaaagccaa 120
agtccttttag ataaaaggcc aggagtcgta ccaacataga taccaaattcc aggagaacac 180
agaccagcga taagaggggac gcttcccat gaccagacc agcctaaagc ccctgtgggg 240
gcagccagtg gggagctgtc agaccttggg catggtgggc tttgagaatg ggtctgcct 300
tctctccctg accagttggg atagacacct gactggaatc cttgacactg gcaggtgttt 360
ctatgaacag agaggactgt gcctgtcttc ctgaatccca a 401

```

```

<210> 39
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 209
<223> n = A,T,C or G

```

```

<400> 39
tctggtangg agcaattcta ttatttggca ttgcatggct gggttgaatt aaaacaggga 60
gtgagaacag gtgagtctag aagtccaact ctgaaaagga ccactgtaca tttgaacaca 120
cggtctgtgt aaagatgctg ctaatgtcag tcaactgggtg cactaaagga tctcttattt 180
tatgtaaaac gttgggaatg acaagatana actgatactc tggtaagtta ccctctgaag 240
ctacttcttg tgaaatacta atgacagcat catcctgcca agcgaagag gcaggcataa 300
gcaaggacaa attaaaaggg ggtaagagcc ttatcatgat gaggagtctt gttttgacat 360
cttgggaaaa gctgtccata gtgtgaagtc gtcaatttct c 401

```

```

<210> 40
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 40
tctggtcacc caactcttgt ggaagagggg aattgagatc gagtactgaa tatctggcag 60
agaggctgga atccttcagc ccagagccc agggaccact ccagtagatg cagagagggg 120
cctgcccagg ggtcagggca gtgggtatca ctggtgacat caagaatattc agggctgggg 180
aggcatcttt gtttcctggg gccctcctca aagttgctga cactttgggg acgggaaggg 240
gtagaagtag ggctgctcct tttggagctg gagggaaatag acctggagac agagttagag 300
cagtcgggct gtccagggtc taagcatcac agcttctgca ctgggctctg aggagattct 360
cagccagagg atcccagcct cctcctccct caaatgtcaa g 401

```

```

<210> 41
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 170, 317, 334, 364
<223> n = A,T,C or G

```

```

<400> 41
ctggactaaa aatgtccact atggggtgca ctctacagtt tttgaaatgc taggaggcag 60
aaggggcaga gagtaaaaaa catgacctgg tagaaggaag agaggcaaag gaaactaggt 120

```

```

ggggaggatc aattagagag gaggcacctg ggatccacct tcttccttan gtcccctcct 180
ccatcagcaa aggagcactt ctctaatacat gccctcccgga agactggctg ggagaagggtt 240
taaaaacaaa aaatccagga gtaagagcct taggtcagtt tgaaattgga gacaaactgt 300
ctggcaaaagg gtgcganagg gagcttgtgc tcangagtcc agcccgtcca gcctcgggggt 360
gtangtttct gaagtgtgcc attggggcct caccttctct g 401

```

```

<210> 42
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<400> 42
ggttcgacaa atccccaaaa atggcaaatt aagccctgtg acaaaataag ttattggatc 60
atacagaaat agcccaaatac tggaaatttt gaattaaaaat tgtaatcctg taaaacaagt 120
tttggggtga atggattttct ttaataccaa taatatTTTT aattcccacc acagatggat 180
ttgctgaata tgctaattgct gtgaatgaga aaacaatttt ggggtaggta taccacaag 240
taatctgatg acaaaataaa ccacagactg atgtcaaattg gacaaaaaac tgaaaatatg 300
ctgtgagaaa 310

```

```

<210> 43
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 43
aggtcactta cacttgtgac cagtgtgggg cagagacctt ccagccgatc cagtctccca 60
ctttcatgcc tctgatcatg tgcccaagcc aggagtgcc aaccaaccgc tcaggagggc 120
ggctgtatct gcagacacgg ggctccagat tcatcaaatt ccaggagatg aagatgcaag 180
aacatagtga tcagggtgcc gtgggaaata tccctcgtag tatcacggtg ctggtagaag 240
gagagaacac aaggattgcc cagcctggag accacgtcag cgctactggg attttcttgc 300
caatcctgcg cactgggttc cgacagggtg tacagggttt actctcagaa acctacctgg 360
aagcccatcg gattgtgaag atgaacaaga gtgaggatga t 401

```

```

<210> 44
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 44
atccctgtaa gtctatttaa tgtaaataat acatacttta caacttctct tagtcggccc 60
ttggcagatt aaatctttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc 120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caatatacaa 180
tttctgttaa atacaactgt taagggattc tgagaacaat tataagatta taataatata 240
tacaaactaa cttctgaaat gacatgggtt gtttccttcc caccctccta ccctctcaaa 300
gagtttttgc atttgctgtt cctgggttgca aaaggcaaaa gaaaatctaa aaatagtctg 360
tgtgtgtcca cgacatgctc gctcctttga gaatctcaaa c 401

```

```

<210> 45
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> 212, 224

<223> n = A,T,C or G

<400> 45

```
gtgcctgctg cctggcagcc tggccctgcc gctgcctcag gaggcgggag gcatgagtga 60
gctacagtgg gaacaggctc aggactatct caagagattt tatctctatg actcagaaac 120
aaaaaatgcc aacagtttag aagccaaact caaggagatg caaaaaattc tttggcctac 180
ctatactgga atggtaaact cccgcgtcat anaaataatg caanaagccc agatgtggag 240
tgccagatgt tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg 300
tcacctacag gatcgatca tatactcgag acttaccgca tattacagtg gatcgattag 360
tgtcaaaggc tttaaacaatg tggggcaaaag agatccccct g 401
```

<210> 46

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70, 182

<223> n = A,T,C or G

<400> 46

```
gtcagaattg tctttctgaa aggaagcact cggaatcctt ccgaactttc caagtccatc 60
catgattcan agatactgcc ttctctctct ctgggatttt atgtgtttct gatagtgaat 120
tgttgatgta tttgctactt tgcttctttt ctctttcaag acttgatcat tttatatgct 180
gnttgagaaa aaaaagaact tttggtagca aggaggtttc aagaaatgat tttggatttt 240
ctgctgcgga atttctcggc acctacctgt agtatggggc acttggtttg gttgcagagt 300
aagaagggtg aagaatgagc tgtacttggt taagcagttg aaaccttttt tgagcaggat 360
ctgtaaaagc ataattgaat ttgtttcacc cccgtggatt c 401
```

<210> 47

<211> 401

<212> DNA

<213> Homo sapiens

<400> 47

```
ggtctgcagc aatgcacttc aaccatacat actgcttcca ctagctaata ccaaatgcag 60
gttctcagat ccagacaaat ggaggaaaag aacattttatg cttccgtttc agaaagccaa 120
gtcgtagttt tggcccttcc tttctctaaa gtttattccc aaaaacaggt agcattcctg 180
attgggcaga gaagaggata ttttcagccc acatctgctg caggatgtgc attttctccc 240
atcttctactg tgactagtaa agatctcacc acttctcttt ggaatttcca actttgcttg 300
tgattgaatg tcaacttcgtg aatttgtatt atgtcagatc acttggcatt gctcttccat 360
atgcatcaag ttgccaggca ctaaacccaa tgttcatgaa c 401
```

<210> 48

<211> 430

<212> DNA

<213> Homo sapiens

<400> 48

```
acataacttg taaacttttt ctgcttgggg gctgtaacag acagaagagt aaagactaca 60
aggattttct gaagatgctt caatgaaaat catcatttcc tctttagtca tccaagtct 120
tggtttga aaacttgggca tggacttata cagaccttga accaccactg acttatcatt 180
```

```

gggtggcaga ccttgaaacc aagctctctg tgttacttct gaaagtgcac caattctgat 240
ttggctaaga acagaagaca aatactggga tcgtgattct gtgttatact ctagccacag 300
catagcagct tctcgaacgg ttcttccctt ttctacattt aaattgtcac tactgagaat 360
atctatcagt aggtcatgtg acagacctgc cccggggccg gcccgcctga tgcttgccga 420
atatcatggt                                     430

```

```

<210> 49
<211> 57
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 44, 49
<223> n = A,T,C or G

```

```

<400> 49
ggtattaaca atatcangca ctcattcttc ccctcttatg aaanggatna attttta 57

```

```

<210> 50
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 10, 20, 22, 25, 28, 30, 37, 40, 41, 42, 51, 58, 59, 68,
69, 70, 75, 76, 79, 91, 95, 108, 109, 111, 142, 146, 180,
200, 201, 213, 218, 233, 235, 247, 265, 290, 299, 306
<223> n = A,T,C or G

```

```

<400> 50
gatggnggtn tccacaagan tnaangtnen tattaantan nncttgtaga nccacttnna 60
ttaattgnnn tatgnntgnc cttctgggtg ntgtngaagc ttcatatnnt ntttggacat 120
cattacacgt cttagctctt tnaagnacaa ctttaatgct atatgaattt tgccattttt 180
gctaacactg gtagtctccn ngcatccacc atnccacntg gaattattta ttncnttcat 240
attaatnttt tgtttaccaa atctnacttg acccgaacga aactttctgn gtattttang 300
gccccnccat tcttactttt caagcct                                     327

```

```

<210> 51
<211> 236
<212> DNA
<213> Homo sapiens

```

```

<400> 51
cgtctcgaag aagcgtctga ggccgatgat ggactgcacg tctgccttgt cctcagttaa 60
cttggtgaat tgcttgaaca tgccgcccac atcctgggca aactcctgtg gggagctgta 120
gggaggtgac aacttctcct ggaggcgggc acggatcagg gtcagatcca gggtgccacc 180
gggctggtcc agggagaagg tggagtcgta gccagacctg cccgggcggc cgctcg 236

```

```

<210> 52
<211> 291
<212> DNA
<213> Homo sapiens

```

```
<400> 55
atctttcttc tcagtgcctt ggcentgttg agtctatctg gtaacactgg agctgactcc 60
ctgggaagag aggccaaatg ttacaatgaa cttaatggat gcaccaagat atatgacct 120
```

<400> 59
cgcaactctc gagcatttat atacaatagc aaatcatcca gtgtgttgta cagtctataa 60
tactccaaca gtctcccatc tgtattcaat ggcgccaccc aatacagtc tttgtttgga 120
tgctggggag agtaatccct accccaagca ccatatagat agaaaaaccc tctccagttg 180

agctgaacca cagacggttt gctgatacct gcccgggcgg ccgctcgaa 229

<210> 60

<211> 340

<212> DNA

<213> Homo sapiens

<400> 60

tcgagcggcc gcccgggcag gtcctctaaa gatcaaaaca cccctgtcgt ccaccctcct 60
 cccactccag ggaagctgtg gtcatgggtg tgtgggtgaac atcagcaaac cgtctgtggt 120
 tcagctcaac tggagagggg tttcttatct atatggtgct tggggtaggg attactctcc 180
 ccagcatcca aacaaaggac tgtattgggt ggcgccattg aatacagatg ggaaactgtt 240
 ggagtattat aaactggtac aacacactgg atgatttgct attgtatata aatgctcgag 300
 aattgcggat cacctatgga cctcgggccg gaccacgctg 340

<210> 61

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 76, 96, 110, 112, 122, 138, 140, 143, 155, 161, 163,
 175, 178

<223> n = A,T,C or G

<400> 61

tttttgtgac ggacgnttgg agtacatgtc ccaggatcac atccagcagc tagagtggct 60
 gggacaagct ggcgngggcc aagcactgtt gaaacnatag gggctctgggn gnactcgggt 120
 tnaagtgggt ggtccgantn ttinataacct tgtcngaacc nancatctcg gttgncang 179

<210> 62

<211> 78

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 51, 72

<223> n = A,T,C or G

<400> 62

agggcggttcg taacgggaat gccgaagcgt gggaaaaagg gagcgggtggc nggaagacgg 60
 ggatgagctt angacaga 78

<210> 63

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 48, 95, 182, 290, 314, 350, 365, 380

<223> n = A,T,C or G

```
<210> 64
<211> 199
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 65
<211> 125
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 115, 118, 120  
<223> n = A,T,C or G
```

```
<400> 65
agcggtagag ttctgtcctg gcatcatcat tcattgtagt atgggtcaata ggtgccatga 60
aactcagtag cttgctaagg acatgaaacc gaagtcttct gcctttgctg gcctngtngn 120
gggta                                           125
```

```
<210> 66
<211> 204
<212> DNA
<213> Homo sapiens
```

<400>	66						
attcagaatt	ctggcatcgg	tattttctata	aagtccatca	gtagagcag	gagcaggccc	60	
ggaggggacgc	cctgaagcag	cgggcggaac	agagcatctc	tgaagagccc	ggctgggagg	120	
agggaaga	ggagctcatg	ggcatttcac	ccatatctcc	aaaagaggca	aaggttctctg	180	
tggacctcgg	ccgcgaccac	qcta				204	

<210> 67
<211> 383

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 32, 46, 59, 132, 190, 234, 264, 272
<223> n = A,T,C or G

<400> 67
tcagggcctc caggcagcca gttttgcagg anattcagca cctagngtct tcctgcctna 60
cgctcccaag aacctgctcc tgcaggggga acatcagaac tcgtccttga tgtcaaaatg 120
gggctgggtct tnaggcttga agtccagggtt agggctgcca tcctcattga gaattctccg 180
ggcagtgtan ccgacgatgg ggtatttggc tttgtacact ttggtgaaaa cctnatccag 240
ggcctccagt tccttggccg tganacccgt antgtcatgg gtgaggctctg caggatccaa 300
ggacatcttg gctacccctc tagtggagtc cttccccgctc aaggcattgt aaggggctcc 360
tcgtccataa aactcctttt cgg 383

<210> 68
<211> 99
<212> DNA
<213> Homo sapiens

<400> 68
tcacatctcc tttttttttt aactttttca aatttttgtg ttaaataagaa ggctaaaggg 60
ttagatttaa gtttctgcta cattgaccct atttaccta 99

<210> 69
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 16, 21, 24, 27, 29
<223> n = A,T,C or G

<400> 69
gagaaggacn tacggncttg ntantanang aatctcc 37

<210> 70
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 196
<223> n = A,T,C or G

<400> 70
gtgggtcatt tttgctgtca ccagcaacgt tgccacgacg aacatccttg acagacacat 60
tcttgacatt gaagcccaca ttgtccccag gaagagcttc actcaaagct tcatggcgca 120
tttcgacaga ttttacttcc gttgtaacgt tgactggagc aaaggtgacc accataccgg 180
gtttgagaac acccantcac ctgccccggg cggccgctcg aa 222

<210> 71
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 281, 308, 364, 376, 383, 397, 413, 420
 <223> n = A,T,C or G

<400> 71
 caggagtatt ttgtagaaaa gccagaagag cattagtaga tgtatggaaa tatacggtag 60
 ggcacacgct gacagtactt ttcccaagcc acgccgtatt tcttcttaca gtgggtactcg 120
 tcacgagctt ctcggtggac aagcaacatg gtgaaataaa ttatgtagaa ataaggcaga 180
 atgtggttaa aaccacatgg gagggaccac gccaaaggcca tgatgagatc acccaagtaa 240
 ttggggtggc gaacaaagcc ccaccatcca gaaactagaa naatttttcc cgttgaaata 300
 tgaatggnnt ttaaattgtgc aagcttttga tcaactgggaa ttttcccgaa tgcctttttc 360
 tganaattgc accttnggaa gantccttac cccaagnttc agaccattat ttnaaaagcn 420
 ttggaact 428

<210> 72
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 218, 236, 247, 256
 <223> n = A,T,C or G

<400> 72
 gaataaagag cttactggaa tccagcaggg ttttctgccc aaggatttgc aagctgaagc 60
 tctctgcaaa cttgatagga gagtaaaaag ccacaataga gcagtttatg aagatcttgg 120
 aggagattga cacacttgat cctgccagaa aatttcaaag acagtagatt gaaaaggaaa 180
 ggcttttgta aaaaaaggtt caggcattcc tagccgantg tgacacagtg gacanaaca 240
 tctgcangag actgancggc tgca 264

<210> 73
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 249, 283, 313, 385, 390, 407
 <223> n = A,T,C or G

<400> 73
 ggcgaatccg gcgggtatca gagccatcag aaccgccacc atgacggtgg gcaagagcag 60
 caagatgctg cagcatattg attacaggat gaggtgcatc ctgcaggacg gccggtatctt 120
 cattggcacc ttcaaggctt ttgacaagca catgaatttg atcctctgtg actgtgatga 180
 gttcagaaaag atcaagccaa agaacttcaa acaagcagaa agggaagaga agcgagtcct 240
 cggctctgng ctgctgccaa gggagaatct ggtctcaatg acngtagaag gaccttcttc 300

```

caaagatact ggnattgctc gagttccact tgctggaact tcccggggcc caaggatcgc 360
aaggcttctg gcaaaagaaa tccanacttn ggccgggacc acctaancca attcacacac 420
tggcgccgt actagtggat cc                                         442

```

<210> 74

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 167, 268

<223> n = A,T,C or G

<400> 74

```

ggtagcagcg tctccagagc ctgatctggg gtcccagata cccaggcagc agcagccctg 60
gaggtaaagg gcaagctccc caatgtgagg ggagacccca ttcctgggtca gccaggcttt 120
cagaggagat agcagggtcga gggagccaac gaagaagaga ctgccancag ggggaaggact 180
gtcccgccaa ggacagaact gattcagggg ggtcaatgct cctctagaga agagccacac 240
agaactgggg ggtccaggaa ccatgaanct tggctgtggt ctaaggagcc aggaatctgg 300
acagtgttct gggtcatacc aggattctgg aattgta                                         337

```

<210> 75

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 444, 495, 531, 562

<223> n = A,T,C or G

<400> 75

```

catgatgagt tctgagctac ggaggaaccc tcatttcctc aaaagtaatt tattttttaca 60
gcttctggtt tcacatgaaa ttgtttgctc tactgagact gttactacaa acttttttaag 120
acatgaaaag gcgtaatgaa aaccatcccg tccccattcc tcctcctctc tgagggactg 180
gaggggaagc gtgcttctga ggaacaactc taattagtac acttgtgttt gtagatttac 240
actttgtatt atgtattaac atggcgtggt tatttttgta tttttctctg gttgggagta 300
tgatatgaag gatcaagatc ctcaactcac acatgtagac aaacattagc tctttactct 360
ttctcaaccc cttttatgat ttttaataatt ctcaactaac taattttgta agcctgagat 420
caataagaaa tgttcaggag agangaaaga aaaaaaatat atgttcccca tttatattta 480
gagagagacc cttantcttg cctgcaaaaa gtccaccttt catagtagta ngggccacat 540
attacattca gttgctatag gncagcactg aactgcatta cctgggca                                         588

```

<210> 76

<211> 196

<212> DNA

<213> Homo sapiens

<400> 76

```

gcggtatcac agcctggccc ccatgtacta tcggggggcc caggctgcca tcgtggtcta 60
tgacatcacc aacacagata catttgacg ggccaagaac tgggtgaagg agctacagag 120
gcaggccagc cccaacatcg tcattgcact cgcgggtaac aaggcagacc tggacctgcc 180
cgggcggccg ctcgaa                                         196

```

<400> 79
ctgtatgacc agttttttcca tctccttcac ttctaccttg atcagctcga agtccagttc 60
agtgtaagaa atgggtatcct tctccatgat gtcaattcgg acagtttaggt ttaacagttt 120

cttttcatac	acactaatta	attggacata	tccctcact	ttanaaaagt	ctttctcaaa	180
cttctganaa	aagaacatga	actgtgaatt	ccaagcggtc	ccactctgtc	cacgggaaaa	240
ggtggtgtct	ggcaggga	cagaacactg	gcaggtccac	ggtcatccac	ggagccggtg	300
aaatttggaa	aacaactggg	acacagaacc	tccgtgcct	aagctgcggn	tgggagcttg	360
gaacccgacc	tggaactgga					380

```
<210> 80
<211> 360
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 42, 130, 131, 134, 200, 210, 226, 243, 257, 273, 278, 295,
303, 316, 337, 344, 357, 360
<223> n = A,T,C or G
```

<400> 80						
tcgagcggcc	gcccgggcag	gtcctcagag	agctgtttgt	tncgcttctt	caaaaactcc	60
tattctccac	ttctgctaaa	ggactggatg	acatcaattg	tgatagcaat	atttgtgggt	120
gttctgtcan	ncancatcgc	actcctgaac	aaagtagatg	ttggattgga	tcagtctctt	180
tccaccacaga	tgactcctan	atggtggatn	atttcaaadc	catcantcag	tacctgcattg	240
cgnggtccgc	ctgtgtncct	tgtcctgcag	gangggcnct	actacacttc	ttccnagggg	300
canaacatgg	tgtgcngcgg	ccatgggctg	gcaacantga	ttcncctgctg	cacccanattn	360

```
<210> 81
<211> 440
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 121, 132, 191, 211, 224, 312, 342, 354, 360, 407, 412, 427
<223> n = A,T,C or G
```

<400>	81						
acgtgggtccg	gcgagtctga	cctgcagata	tgaactcctt	gggaaaccta	cattctgcct	60	
cagacatact	gggggcaaat	ggctttaaaa	gtctgggtca	gggagccaag	attacagaaa	120	
nccgttgagt	cnccatacat	ggacactgac	aaaggaactg	aagatatcca	aacaagccct	180	
cctgggtccc	ngcctgcata	aagatcgga	ncggaacggt	accngacgtc	tgtggtcagg	240	
ggttggtgaa	aattggaaaa	aaccagtcct	gccacattg	acagggaagc	ctcaacggaa	300	
attgaacaga	tngtcttata	accagtcctc	cctcctggat	cntgtctcgg	ctcnggggan	360	
tcagtgatca	gtcctttcag	gtggaagaag	caaagaagat	caacaanaag	cngatcctct	420	
cacctgntac	cagcatatgg					440	

```
<210> 82
<211> 264
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 18, 54, 130, 137, 162, 175, 184, 190, 192, 202, 206, 213,
```

<220>

<221> misc_feature
 <222> 117, 120, 152, 155, 193, 194
 <223> n = A,T,C or G

<400> 85
 tcgagcggcc gcccgggcag gtctgctgcc cgtgctgggtg ccattgcccc atgtgaagtc 60
 actgtgccag cccagaacac tgggtctcggg cccgagaaga ctcttttctc caggctntan 120
 gtatcaccac taaaatctcc aggggcacca tnganatcct ggggtgtccgc aatgttgcca 180
 atgtctgtcc gennattggc tacccaactg ttgcatca 218

<210> 86
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 183, 193, 204, 225, 240
 <223> n = A,T,C or G

<400> 86
 tcgacttctt gtgaagggtt tgganaaata tgtatcagtt cgttttatatt gggatttcaa 60
 taatatcctt ggtgataatg ctgactccat ggcttctgac cccaaaaatt gaccctgctg 120
 ccactgggtt tagccctgag attgattttt gtagccacga ttgtttcctc gtcctctgaa 180
 gtinctgggtt tanttccctc tgtngggcat tccctctgt tgtanttccc tctgtttgan 240
 taactaccac ggccaggaaa aacaggggca cgaaggatat gat 283

<210> 87
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 66, 81, 89, 113, 120, 135, 148, 161
 <223> n = A,T,C or G

<400> 87
 agcgtgggtc cggccgatgt ctttctgtgt aagtgcataa cactccacat acttgacatc 60
 cttcangtca cgggccagct nttcagcant ctctggagtg ataggctact gtntgttctn 120
 ggcaagtgtc tcaanaatac aggggtctntc tctgagatga ntttcagtcc cgaaccctc 179

<210> 88
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 27, 30, 75, 106, 198, 216, 294, 349
 <223> n = A,T,C or G

<400> 88
 tcgagcggcc gcccgggcag gtcctancan agaatcacca aatttatgga gagttaacag 60

```

gggtttaaca ggaangaagt gccttttagta agttctcaag ccagangctg gaggcagcag 120
ctaaatcaga ggacaggatc ctcaagtgaaa gtgagccatt cgggggtggca tgtcactcca 180
ggaataagca caacttanaa acaaatgatt tcgtangata gcacagtgcac attgggtgcac 240
ttgtgaacct gaggccactg tgtcaaactg tgcactgggt gtgaataggg aganccaaaa 300
attatgtcct actgggtaat gagctttcaa tgggctcgat cctctcacnc tgaaagctct 360
gtagagcagc tcagaaccac aaccactccc aacattgacc cttctggggg tactgtctgt 420
ggcaccacaca ggaaggagct ggagatcccc attaggactg tccaccacaca cttgaagcca 480
caaaactgca cctcggccgc gaccaccgct ta 512

```

```

<210> 89
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 65, 207, 214, 221, 257, 258, 266, 271, 287, 297, 307, 308,
325
<223> n = A,T,C or G

```

```

<400> 89
tcgagcgggc cgcccgggca ggtctgccag tccccatccc agacattctt tgcattctaag 60
ctgangtctg aactgagtggt ggtgggctgg tgtttccatc ctcacaactc cagtgcagccg 120
ggtgtggccg tggcctgcgt ctctctggcg gttagtgatg ttggcatcat ccaccttttt 180
caaaacaaaa gcaactggact gaagaanaat ccnccctgt ntccaccag tccatggttt 240
ttaataaaaag ggttatnnaa gttgancaag ncatcaccac acacaancct aagaacnttt 300
ttcatcnntc cccaaaacaa acccncaccc tgggaactcc gggcgcggaac cacgccta 358

```

```

<210> 90
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 125, 163, 172, 199, 244
<223> n = A,T,C or G

```

```

<400> 90
cgagcggccg cccgggcagg tctggatggg gagacggact ggaactgcgg cttcccgtgg 60
cctgcacgca caaggctccc caccggccgc gaccttcttc agattcgatc gtatgtgtac 120
gcacnaagag ccaaataattg acattcaca cttcgtggga atnttaccac anaagactgc 180
gaccccccca tcaggcgana gcctgagcat agaagaacac cgctgtgggc ttggcactgt 240
gggncccatc 250

```

```

<210> 91
<211> 133
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 56, 58, 61, 78, 82, 107, 116, 123, 126
<223> n = A,T,C or G

```


<400> 91
 tcgagcggcc gnccgggagc gtcccgggtg gttgtttgcc gaaatgggca agttcntnaa 60
 ncctgggaag gtgggtgcntg tncctggctgg acgctactcc ggacgcnaag ctgtcntcgt 120
 gangancatt gat 133

<210> 92
 <211> 232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 168, 173, 179, 219
 <223> n = A,T,C or G

<400> 92
 agcgtggctg cggccgangt ctgtcacttt gcgggggtag cgggtcaattc cagccaccag 60
 agcatggctg taggggagat ctgaggtgcc atcatcaatg ttcttcacga tgacaagctt 120
 tgcgtccgga gtagcgtcca gccaggacaa gcaccacctt cccacgtntt cangaactng 180
 cccatttcg cacaaccacc cgggacctgc ccgggcggnc gctcgaaaag cc 232

<210> 93
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 27, 221, 406, 439
 <223> n = A,T,C or G

<400> 93
 agcgtgggtc gcggccgang tctgtangct caccggccag agaagaccac tgtgagcatt 60
 ttgccgtata tctgcccctg ccatttggtc actttttaaa ctaaaatagg aacatccgac 120
 acacaccgtt tgcacgtct tctcccttga tattttaagc attttcccat gtcgtgagtt 180
 tctcagaaac atgttttta caattgtact atttagtcat ngtccattta ctataattta 240
 tctgaccatt tccctactgt taaaatactt aagacgggtt ctgatttttc cactatttaa 300
 ataagtctgt gatgaatatc tttaaaatct tctgatttct tacttttttc ccccttagat 360
 gcctggaagt ggtattttga ggtgaaagag tttgttcatt ttgaanatat ttctgtctct 420
 ctctcgacct gatgtgtana cgctcacttc cagttagcag aaccacctta gtttgtgtct 480

<210> 94
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 33, 70, 105, 129, 135, 136, 154, 180, 190, 213, 232, 235,
 286, 292, 293, 305, 335, 341, 363, 372, 400, 418, 422, 425,
 472
 <223> n = A,T,C or G

```
<210> 95
<211> 309
<212> DNA
<213> Homo sapiens
```

<400>	95						
tcgagcggcc	gcccgggcag	agtgtcgcgc	cagcgtcgcc	gcgatggtgt	tggttgagag	60	
cgagcagttc	ctgacggaac	tgaccagact	tttcanaag	tgccggacgt	cgggcancgt	120	
ctatatcacc	ttgaagaant	atgacggtcg	aaccaaacc	attccaaaga	aangtactgt	180	
gganggcttt	ganccgcgag	acaacnagt	tctgttaaga	actaccgatn	ggaaanaana	240	
anatcagcac	tgtgggtgag	ctccnaggga	agttaataan	tttcggatgg	gcttattcna	300	
acctcctta						309	

```
<210> 96
<211> 371
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 327
<223> n = A,T,C or G
```

<400>	96						
tcgagcggcc	gcccgggcag	gtccaccact	cacctactcc	ccgtctctat	agatttgccct	60	
gttctgggca	gttctcagca	atggaatcct	actgtgtatc	tttttgtgac	tggttcttta	120	
actcagcatc	acattttcaa	ggttcaccca	tgctgcagcc	tggctccgta	ctggtgacag	180	
tacttcattt	ctctctccct	tttgttcaga	ccaagggtctc	cctctgtccc	caaggctaaa	240	
gtgcagttgg	tgtgatcatg	gctcactgca	gcctcaaact	cctggactca	aacagtcctc	300	
ccatctcagc	ctcccaaagt	gctgatntta	taagttgcaa	gccctgcacc	cagcctgtat	360	
ctccagtttg	t					371	

```
<210> 97
<211> 430
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 5, 25, 30, 34, 41, 42, 43, 44, 46, 60, 97, 116, 141, 145,
 158, 183, 184, 226, 232, 243, 245, 257, 271, 288, 298, 300,
 303, 308, 318, 325, 329, 354, 390, 428
 <223> n = A,T,C or G

<400> 97
 tcgancggcc gcccgggcag gttntttttn tttntttttt nnnngntagt atttaaagan 60
 atttattaaa tcatcttatt accaaaatgg aaacatnttc caactagaaa catgcnacca 120
 tcatcttccc cagtccagtc ncaangtcca atatcttntct tgctcttgca gataaaaaagt 180
 tcnnattttt ataccctact ttactccccc ccaaaatttt aattcngtcc tnccttaaaa 240
 ttncnccggg taacaantta ccaaaatggc naaccaatta ttttaaanaa aagttgcncn 300
 ttnaaaangg aaactttntg gcaanttanc ctcttttccc tccccacccc ccantttaag 360
 gggaaaacaa tggcactttg ctcttgcttn aaccctaaaat tgtcttccaa aaactattaa 420
 aaatgttnaa 430

<210> 98
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 15, 19, 20, 25, 28, 43, 70, 75, 81, 102, 139, 162, 203,
 259, 260, 283, 295
 <223> n = A,T,C or G

<400> 98
 tcnaacggcc gccnngcnn gtctngcngc acctgtgcct canccgtcga tacctgggtcg 60
 attgggacan ggaanacaat ntggttttca gggaggccac anatttggag aaacggatga 120
 attctccttt attccgaant cagctccttg gtctccgtag anggtgatct tgaaattctc 180
 ctgttttgaa aactttcttg aanaaacctt acctgctggt tgtatttgggt ctcccactcg 240
 gacaagtact cgttatccnn ggtactctta atgtgccac gtnaactccc cgggntggca 300
 actggaa 307

<210> 99
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 19, 24, 25, 38, 46, 59, 61, 66, 69, 81, 83, 88, 96, 98,
 104, 106, 115, 126, 132, 135, 146, 152, 160, 165, 172, 173,
 187, 188, 189, 192, 202, 203
 <223> n = A,T,C or G

<400> 99
 gtccnggacc gatgttgca aganntttct tgggccanta gggtcnaaaa aatgataanc 60
 naggtntanc acgtgaagat ntntatanag tcttantnaa aacnctaga tctgnatgac 120
 gataantcga anacnggggg aggggntgag gngaggtggn gtganggaag anntgttgat 180
 aaaagannna gntgataaga annagac 207

<210> 100
 <211> 200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 5, 6, 14, 21, 23, 29, 46, 71, 150, 151, 166, 176, 185,
 186, 195
 <223> n = A,T,C or G

<400> 100
 acntnnacta gaantaacag ncnttctang aacactacca tctgtnttca catgaaatgc 60
 cacacacata naaactccaa catcaatttc attgcacaga ctgactgtaa ttaattttgt 120
 cacaggaatc tatggactga atctaattgc nccccaaatg ttgttngttt gcaatntcaa 180
 acatnnttat tccancagat 200

<210> 101
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 101
 tcgagcggcc gcccgggcag gtctgaccag tgganaaatg cccagttatt g 51

<210> 102
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 50, 145, 202, 214, 306, 362
 <223> n = A,T,C or G

<400> 102
 aacgtggtcg cggccgaagt ccatggtgct gggattaatc cactgtgacn gtgactctga 60
 gttgagttgt ttttcaatct tctccaagcc tgttgactca tcctccacat ccttgggtag 120
 taggatgaac atgctgaaga tgctnatttt gaaaaggaac tctatgaatc ttacaattga 180
 atactgtcaa tgtttcccca tnacagaacg tggnccccca aggttccatc atctgactg 240
 ggtttgggtg ttctgtcttg gttgactctt gaaaaggac atttctttt gttttcttga 300
 attcanggaa attttcttca tccactttgc ccacaaaagt taggcagcat ttaaccccca 360
 anggattttg ggtctgggtc ctcc 385

<210> 103
 <211> 189
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 72, 138, 156
 <223> n = A,T,C or G

<400> 103
 agcgtggtcg cgcccggaagt ctgcagcctg ggactgaccg ggaagctctg attatattacc 60
 caccacaggt angttgtgtt ctgaatctca agttcacagg ttaaggctac agcatcctca 120
 tcctccacgg ggttggantt gttgctggtg atgaanggtt tgggggtggct ctgcataact 180
 gttgatctc 189

<210> 104
 <211> 181
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 82, 83, 97
 <223> n = A,T,C or G

<400> 104
 tcgagcggcc gcccgggcag gtccaggtct ccaccaangc accaccgtgg gaagctggta 60
 attgatgccc accttgaagc cnntggggca ccatccncca actggatgct gcgcttggtt 120
 ttgatgggtg caatggcaca ttgactcttt tgggaaccac ttcaccacgg tacaacaggc 180
 a 181

<210> 105
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 80, 116, 167, 175, 182, 194, 210, 277
 <223> n = A,T,C or G

<400> 105
 tcgagcggcc gcccgggcag gtcttctgtg gagtctgcgt gggcatcgtg ggcagtgggg 60
 ctgccctggc cgatgctcan aaccccagcc tctttgtaaa gattctcatc gtgganatct 120
 ttggcagcgc cattggcctc tttgggggtca tcgtcgcaat tcttcanacc tccanaatga 180
 anatgggtga ctanataata tgtgtgggtn gggccgtgcc tcacttttat ttattgctgg 240
 ttttcctggg acagaactcg ggcgcgaaca cgcttanccg aattccaaca cactggcggg 300
 cgttactagt ggatccgagc tcggtac 327

<210> 106
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 73, 96, 117, 129, 161, 195, 219, 247, 250, 255, 257
 <223> n = A,T,C or G

<400> 106

```
agcgtgggtcg cggccgangt ctggcgtgtg ccacatcggt cccacctcgc ttacaaaaac 60
agtcctgaac ttinatctaat aaaattattg tacacnacat ttacattaga aaaaganagc 120
tgggtgtang aaaccgggcc tgggtgttccc ttttaagcgaa ngtgggtcca cagttggggc 180
atcgtcgctt cctcnaagca aaaacgccaa tgaacccna agggggaaaa aggaatgaag 240
gaactgnccn gggangnccg ctccgaaa 268
```

<210> 107

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70, 167, 179, 184, 185, 196, 198, 215, 216, 221, 235, 286,
288, 299, 312, 321, 335, 344

<223> n = A,T,C or G

<400> 107

```
tcgagcggcc gcccgggcag gtggccaggc catgttatgg gatctcaacg aaggcaaaca 60
cctttacacn ctagatgggtg gggacatcat caacgccctg tgcttcagcc ctaaccgcta 120
ctggctgtgt gctgccgcag gccccagcat caagatctgg gatttanagg gaaagatcnt 180
tgttntatgaa ctgaancnta aattatcagt tccannacca ngcaaaaacc acccngtgca 240
ctccctggcc tggctgtctg atgggacctc gggcgcgaa acgctnancc caattccanc 300
aactggggcg gncgttacta ntggatccga actcnggtac caancttggc gtt 353
```

<210> 108

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 61, 121, 145, 194, 202, 217, 237, 252, 254, 275, 279, 318,
330, 343, 346, 352

<223> n = A,T,C or G

<400> 108

```
agcgtgggtcg cggccgaagt cctggcctca catgacctg ctccagcaac ttgaacagga 60
naagcagcag ctacatcctt aaggtccgga aagtttagatg aagatttgga tcctgcattg 120
ncctgcctcc cacctatctc tccnaatta taaacagcct ccttgggaag cagcagaatt 180
taaaaactct cccnctgccc tnttgaacta cacaccnacc gggaaaacct ttttcanaat 240
ggcacaaaaa tcnaggggaa tgcatttcca tgaangaana aactgggtta cccaaaatta 300
ttgggttggg gaaatccngg ggggggtttt aaaaaagggc aanccnccaa anaaaaaac 360
```

<210> 109

<211> 101

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 47, 77, 82

<223> n = A,T,C or G

<400> 109

```
atcgtggctn cgccgaagt cctgtgtcct ggatgggccg tgtgcanca atccgttggc 60
gactcctaac taccaanaaa angactctcg gaagaaattt c 101
```

<210> 110

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 56, 116, 130, 236, 243, 246, 248, 271, 276, 280

<223> n = A,T,C or G

<400> 110

```
ccangaaac ccagagtcac atgagatagg gtggctttcg ggacaggggg tcagangaat 60
ggtacatgga tctcagcccc tgatggacac ggaacagggtg tggtcagaac tcccangatt 120
ctgcatccan gatccagtct ctatagaagt tatggatcat tccttcattt cattcccccc 180
ttcatgaaaa aacttctgaa caagcctttt ttctcacttt ggggccctgt ttggcncaag 240
gtnttnantt ggggaaaaaa aaacaaatcc ntccnttan ccctccgtgg ggaatgacct 300
```

<210> 111

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 42, 65, 90, 180, 250, 257, 264, 296, 333, 337

<223> n = A,T,C or G

<400> 111

```
cgagcggccg cccgggcagg tccttgtgtt gccatctgtt ancattgatt tctggaatgg 60
aacanctttc tcaaagtttg gtcttgctan tcatgaagtc atgtcagtgt cttaagtcac 120
tgctgtcac ttcttaccc agggaatata ctgcataagt ttctgaacac ctgttttcan 180
tattcactgt tcctctcctg cccaaaattg gaagggacct catttaaaaa tcaaatttga 240
atcctgaaan aaaaacngga aatntttctc ttggaatttg gaatagaatt attcanttga 300
ataacatgtt ttttcccctt gccttgctct tcncaanaac atctggacct cggccgcgac 360
acctta 366
```

<210> 112

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 23, 29, 52, 119, 136, 139, 147, 172, 204, 232, 247, 320, 323, 324, 362, 386

<223> n = A,T,C or G

```
<210> 113
<211> 401
<212> DNA
<213> Homo sapiens
```

```
<210> 114
<211> 401
<212> DNA
<213> Homo sapiens
```

```
<210> 115
<211> 401
<212> DNA
<213> Homo sapiens
```

```
<400> 115
atccctgtaa gtctattaaa tgtaaataat acatacttta caacttctct tagtcggccc 60
ttggcagatt aaatctttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc 120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caataataca 180
ttttctgttaa ataccactgt taaggggatt tgagaacaat tataagatta taataatata 240
tacaaactaa cttctgaaat gacatggggt ttgttcttcc caccctccta ccctctcaaa 300
```



```
<210> 116
<211> 301
<212> DNA
<213> Homo sapiens
```

<400>	116						
ngatttaatt	gnnagcttct	ttttaatgga	atnnttggct	aaaatgaatt	gatgattatg	60	
aatatcccta	ggaggagtta	gcatggannn	tgatcatttt	cttgnactc	ctttangaca	120	
nggaaacagg	natcagcatg	anggtancan	aaaccttatn	accnangcgc	acganctgac	180	
ttcttccaaa	gagttgnggt	tccgggcagc	ggtcattgcc	gtgcccattg	ctggaggggt	240	
gattctagtg	ntgcttatta	tgctggccct	gaggatgctt	ccaanatgaa	aataagangc	300	
t						301	

```
<210> 117
<211> 383
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 32, 38, 49, 100, 142, 147, 181, 250, 258, 272, 274, 297,
340, 341, 366, 368, 377
<223> n = A,T,C or G
```

```
<400> 117
aattgcaact ggacttttat tgggcagtta cnacaacnaa tgttttcana aaaatatattg 60
gaaaaaatat accacttcac agctaagtct tacagagaaan aggatttgct aataaaaactt 120
aagttttgaa aattaagatg cnggtanagc ttctgaacta atgccacag ctccaaggaa 180
nacatgtcct atttagttat tcaaatacca gttgagggca ttgtgattaa gcaaacaata 240
tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc 300
taactttcga tttctaaaac tatgtaatac aaaagtatan ntttcccat tttgataaaa 360
gggccnanga tactgantag gaa                                     383
```

```
<210> 118
<211> 301
<212> DNA
<213> Homo sapiens
```

```
<400> 118
ctgctagaat cactgccgct gtgctttcgt ggaaatgaca gttccttggt ttttttggtt 60
ctgtttttgt ttacatttag tcattggacc acagccattc aggaactacc ccctgcccc 120
caaagaaatg aacagtgtga gggagaccca gcagcacctt tcctccacac accttcattt 180
tgaagttcgg gtttttggtg taagttaatc tgtacattct gtttgccatt gttacttgta 240
ctatacatct gtatatagtg tacggcaaaa gagtattaat ccactatctc tagtgcttga 300
c 301
```

<210> 119
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 119
 taaggacatg gacccccggc tgattgcatg gaaaggaggg gcagtgttgg cttgttttga 60
 tacaacacag gaactgtgga tttatcagcg agagtggcag cgcttttggtg tccgcatgtt 120
 acgagagcgg gctgcgtttg tgtggtgaat ggggaggaaa tgtcactgcc gaagacccaaa 180
 aacaagcttc ttggtataaa agactcttac agaatatgtg tattgtaatt tattgatctg 240
 gatgcttaag tgtcatggac agtaaatgaa tttgaacttt atgtttgagg acatgacatt 300
 gggtttgaaa atataaactg cttttgagca gtttaagtca gggcatttga gaataaaaata 360
 ggaactttct cttcagtttg taaaactctc ttgccctctc t 401

<210> 120
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 120
 tccagagata ccacagtcaa acctggagcc aaaaaggaca caaaggactc tcgacccaaa 60
 ctgccccaga ccctctccag aggttggggg gaccaactca tctggactca gacatatgaa 120
 gaagctctat ataaatccaa gacaagcaac aaacccttga tgattattca tcaattgggt 180
 gagtggccac acagtcaagc tttaaagaaa gtgtttgctg aaaataaaga aatccagaaa 240
 ttggcagagc agtttgcctt cctcaatctg gtttatgaaa caactgacaa acacctttct 300
 c 301

<210> 121
 <211> 2691
 <212> DNA
 <213> Homo sapiens

<400> 121
 gcttgcccgt cggtcgctag ctgcgtcggt gcgcgtcgtc ccgctccatg gcgctcttcg 60
 tgcggctgct ggctctcgcc ctggctctgg ccctggggccc cgccgcgacc ctggcggggtc 120
 ccgccaagtc gccctaccag ctggtgctgc agcacagcag gctccggggc cgccagcacg 180
 gccccaacgt gtgtgctgtg cagaaggtta ttggcactaa taggaagtac ttcaccaact 240
 gcaagcagtg gtaccaaagg aaaatctgtg gcaaatcaac agtcatcagc tacgagtgtc 300
 gtccctggata tgaaaagggt cctggggaga agggctgtcc agcagcccta ccactctcaa 360
 acctttacga gaccctggga gtctgttgat ccaccaccac tcagctgtac acggaccgca 420
 cggagaagct gaggcctgag atggaggggc ccggcagctt caccatcttc gcccttagca 480
 acgaggcctg ggcctccttg ccagctgaag tgcctggactc cctggtcagc aatgtcaaca 540
 ttgagctgct caatgccctc cgctaccata tgggtgggcag gcgagtcctg actgatgagc 600
 tgaaacacgg catgaccctc acctctatgt accagaattc caacatccag atccaccact 660
 atcctaattg gattgtaact gtgaactgtg cccggctcct gaaagccgac caccatgcaa 720
 ccaacggggg ggtgcacctc atcgataagg tcatctccac catcaccaac aacatccagc 780
 agatcattga gatcgaggac acctttgaga cccttcggggc tgctgtggct gcatcagggc 840
 tcaacacgat gcttgaagggt aacggccagt acacgctttt ggccccgacc aatgaggcct 900
 tcgagaagat ccctagttag actttgaacc gtatcctggg cgacccagaa gccctgagag 960
 acctgctgaa caaccacatc ttgaagttag ctatgtgtgc tgaagccatc gttgcggggc 1020
 tgtctgtaga gacctggag ggcacgacac tggagggtgg ctgcagcggg gacatgtcta 1080
 ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc 1140
 actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag 1200

agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct 1260
 ctggaagtga gcggttgacc ctctgggtc cctgaattc tgtattcaaa gatggaaccc 1320
 ctccaattga tgcccatata aggaatttgc ttcggaacca cataattaaa gaccagctgg 1380
 cctctaagta tctgtaccat ggacagaccc tggaaactct gggcggcaaa aaactgagag 1440
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 caggactgac ggagaccctc aaccgggaag gagtctacac agtctttgct cccacaaatg 1680
 aagccttccg agccctgcca ccaagagaac ggagcagact cttgggagat gccaaggaaac 1740
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 ttgaagcact acaggaggaa tgcaccacgg cagctctccg ccaatttctc tcagatttcc 2160
 acagagactg tttgaatgtt ttcaaaacca agtatcacac tttaatgtac atggggccgca 2220
 ccataatgag atgtgagcct tgtgcatgtg ggggaggagg gagagagatg tactttttaa 2280
 atcatgttcc ccctaaacat ggctgttaac ccactgcatg cagaaacttg gatgtcactg 2340
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 ctcatgggaa gtcctggcac agtttttgta aagcccttgc acagctggag aaatggcatc 2520
 attataagct atgagttgaa atgttctgtc aaatgtgtct cacatctaca cgtggccttg 2580
 aggcctttat ggggccctgt ccaggtagaa aagaaatggg atgtagagct tagatttccc 2640
 tattgtgaca gagccatggt gtgtttgtaa taataaaacc aaagaaacat a 2691

<210> 122
 <211> 683
 <212> PRT
 <213> Homo sapiens

<400> 122
 Met Ala Leu Phe Val Arg Leu Leu Ala Leu Ala Leu Ala Leu Ala Leu
 1 5 10 15
 Gly Pro Ala Ala Thr Leu Ala Gly Pro Ala Lys Ser Pro Tyr Gln Leu
 20 25 30
 Val Leu Gln His Ser Arg Leu Arg Gly Arg Gln His Gly Pro Asn Val
 35 40 45
 Cys Ala Val Gln Lys Val Ile Gly Thr Asn Arg Lys Tyr Phe Thr Asn
 50 55 60
 Cys Lys Gln Trp Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile
 65 70 75 80
 Ser Tyr Glu Cys Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly
 85 90 95
 Cys Pro Ala Ala Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val
 100 105 110
 Val Gly Ser Thr Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu
 115 120 125
 Arg Pro Glu Met Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser
 130 135 140
 Asn Glu Ala Trp Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val
 145 150 155 160
 Ser Asn Val Asn Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val
 165 170 175

Gly Arg Arg Val Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr
 180 185 190
 Ser Met Tyr Gln Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly
 195 200 205
 Ile Val Thr Val Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala
 210 215 220
 Thr Asn Gly Val Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr
 225 230 235 240
 Asn Asn Ile Gln Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu
 245 250 255
 Arg Ala Ala Val Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn
 260 265 270
 Gly Gln Tyr Thr Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile
 275 280 285
 Pro Ser Glu Thr Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg
 290 295 300
 Asp Leu Leu Asn Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala
 305 310 315 320
 Ile Val Ala Gly Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu
 325 330 335
 Val Gly Cys Ser Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile
 340 345 350
 Ser Asn Lys Asp Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp
 355 360 365
 Glu Leu Leu Ile Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala
 370 375 380
 Glu Ser Asp Val Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu
 385 390 395 400
 Gly Asn His Leu Ser Gly Ser Glu Arg Leu Thr Leu Leu Ala Pro Leu
 405 410 415
 Asn Ser Val Phe Lys Asp Gly Thr Pro Pro Ile Asp Ala His Thr Arg
 420 425 430
 Asn Leu Leu Arg Asn His Ile Ile Lys Asp Gln Leu Ala Ser Lys Tyr
 435 440 445
 Leu Tyr His Gly Gln Thr Leu Glu Thr Leu Gly Gly Lys Lys Leu Arg
 450 455 460
 Val Phe Val Tyr Arg Asn Ser Leu Cys Ile Glu Asn Ser Cys Ile Ala
 465 470 475 480
 Ala His Asp Lys Arg Gly Arg Tyr Gly Thr Leu Phe Thr Met Asp Arg
 485 490 495
 Val Leu Thr Pro Pro Met Gly Thr Val Met Asp Val Leu Lys Gly Asp
 500 505 510
 Asn Arg Phe Ser Met Leu Val Ala Ala Ile Gln Ser Ala Gly Leu Thr
 515 520 525
 Glu Thr Leu Asn Arg Glu Gly Val Tyr Thr Val Phe Ala Pro Thr Asn
 530 535 540
 Glu Ala Phe Arg Ala Leu Pro Pro Arg Glu Arg Ser Arg Leu Leu Gly
 545 550 555 560
 Asp Ala Lys Glu Leu Ala Asn Ile Leu Lys Tyr His Ile Gly Asp Glu
 565 570 575
 Ile Leu Val Ser Gly Gly Ile Gly Ala Leu Val Arg Leu Lys Ser Leu
 580 585 590
 Gln Gly Asp Lys Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val
 595 600 605

Asn Lys Glu Pro Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val
 610 615 620
 Val His Val Ile Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln
 625 630 635 640
 Glu Arg Gly Asp Glu Leu Ala Asp Ser Ala Leu Glu Ile Phe Lys Gln
 645 650 655
 Ala Ser Ala Phe Ser Arg Ala Ser Gln Arg Ser Val Arg Leu Ala Pro
 660 665 670
 Val Tyr Gln Lys Leu Leu Glu Arg Met Lys His
 675 680

<210> 123
 <211> 1205
 <212> DNA
 <213> Homo sapiens

<400> 123
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 ccaatccaag cctggcccca gaagatcaca aagagccaaa gaaactggca ggtgtccacg 120
 cgctccaggc cagtgaattg gttgtcactt actttttctg tggggaagaa attccatacc 180
 ggaggatgct gaaggctcag agcttgaccc tgggccactt taaagagcag ctccagcaaaa 240
 agggaaatta taggtattac ttcaaaaaag caagcgatga gtttgcctgt ggagcgggtgt 300
 ttgaggagat ctgggaggat gagacggtgc tcccgatgta tgaaggccgg attctgggca 360
 aagtggagcg gatcgattga gccctgcggt ctggcttttg tgaactgttg gagcccgaag 420
 ctcttgtgaa ctgtcttggc tgtgagcaac tgcgacaaaa cattttgaag gaaaattaaa 480
 ccaatgaaga agacaaagtc taagggaagaa tcggccagtg ggccttcggg agggcggggg 540
 gaggttgatt ttcatgattc atgagctggg tactgactga gataagaaaa gcctgaacta 600
 tttattaaaa acatgaccac tcttggctat tgaagatgct gcctgtattt gagagactgc 660
 catacataat atatgacttc ctagggatct gaaatccata aactaagaga aactgtgtat 720
 agcttacctg aacaggaatc cttactgata tttatagaac agttgatattc ccccatcccc 780
 agtttatgga tatgctgctt taaacttgga agggggagac aggaagtttt aattgttctg 840
 actaaactta ggagttgagc taggagtgcg ttcatggttt cttcactaac agaggaatta 900
 tgctttgcac tacgtccctc caagtgaaga cagactgttt tagacagact ttttaaaatg 960
 gtgccctacc attgacacat gcagaaattg gtgcgttttg tttttttttc ctatgctgtc 1020
 ctgttttgtc ttaaaggctc ttaggattga ccatgttgcg tcatcatcaa cattttgggg 1080
 gttgtgttgg atgggatgat ctggtgcaga gggagaggca gggaaacctg ctccctcggg 1140
 cccaggttg atcctgtgac tgaggctccc cctcatgtag cctccccagg cccagggccc 1200
 tgagg 1205

<210> 124
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 124
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 gtggcagcaa cggcacagct aattctactc acagtgtttt taagtgaaaa tggtcgagaa 120
 agaggcacca ggaagccgtc ctggcgccgtg gcagtccgtg ggacgggatg gttctggctg 180
 tttgagattc tcaaaggagc gagcatgtcg tggacacaca cagactatct ttagattttc 240
 ttttgccttt tgcaaccagg aacagcaaat gcaaaaactc tttgagaggg taggaggggtg 300
 ggaaggaaac aaccatgtca tttcagaagt tagtttgtat atattattat aatcttataa 360
 ttgttctcag aatcccttaa cagttgtatt taacagaaat tgtatattgt aattttaaa 420
 aattatataa ctgtatttga aataagaatt cagacatctg aggtttttatt tcattttttca 480

atagcacata tggaaattttg caaagatttta atctgccaaag ggccgactaa gagaagttgt 540
aaagtatgta ttattttacat ttaatagact tacagggata agg 583

<210> 125
<211> 783
<212> DNA
<213> Homo sapiens

<400> 125
tcaaccatac atactgcttc cactagctaa taccaaatgc aggttctcag atccagacaa 60
atggaggaaa agaacattta tgcttccgtt tcagaaagcc aagtcgtagt tttggccctt 120
cctttctcta aagtttattc ccaaaaacag gtagcattcc tgattgggca gagaagagga 180
tattttcagc ccacatctgc tgcaggatag tcattttctc ccattcttcac tgtgactagt 240
aaagatctca ccacttctct ttggaatttc caactttgct tgtgattgaa tgtcacttcg 300
tgaatttgta ttatgtcaga tcaacttgga ttgctcttcc atatgcatca agttgccagg 360
cactgttgcg ctgtcggggc cactggaatc cacgggggtg aaacaaattc aattatgctt 420
ttacagatcc tgctcaaaaa aggtttcaac tgcttaacca agtacagctc attcttccac 480
cttcttactc tgcaaccaaa ccaagtggcc cactactacag gtaggtgccc agaaattccg 540
cagcagaaaa tccaaaatca tttctgaaac ctcccttgcta acaaaagttc ttttttctc 600
caaacagcat ataaaatgat caagtcttga aagagaaaaa aagcaaagta gcaaatacat 660
caacaattca ctatcagaaa cacataaaat cccagagaga gagaaggcag tatctctgaa 720
tcatggatgg acttggaag ttcggaagga ttccgagtg ttcctttcag aaagacaatt 780
ctg 783

<210> 126
<211> 604
<212> DNA
<213> Homo sapiens

<400> 126
cctgctagaa tcaactgccgc tgtgctttcg tggaaatgac agttccttgt tttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttctccaca cacttcatt 180
ttgaagttcg ggtttttgtg ttaaagttaa tctgtacatt ctgtttgcca ttgttacttg 240
tactatacat ctgtatatag tgtacggcaa aagagtatta atccactatc tctagtgtt 300
gactttaaat cagtacagta cctgtacctg cacggtcacc cgctccgtgt gtcgccctat 360
attgagggct caagctttcc ctgtttttt gaaaggggtt tatgtataaa tataatttat 420
gcctttttat tacaagtctt gtaactcaatg acttttgtca tgacattttg ttctacttat 480
actgtaaatt atgcattata aagagttcat ttaaggaaaa ttacttggta caataattat 540
tgtaattaav agatgtagcc tttattaaaa ttttatattt ttcaaaaaaa aaaaaaaaaa 600
aaaa 604

<210> 127
<211> 417
<212> DNA
<213> Homo sapiens

<400> 127
ctgagcctct gtcaccagag aaggctgagg ccccaatggc acacctcaga aacctacacc 60
ccgaggtctg acggctggac tcttgagcac aagctccctc tcgcaccctt tgccagacag 120
tttgtctcca atttcaaact gacctaaagg tcttactcct ggattttttg tttttaaac 180
ttctcccagc cagtcttcgg gagggcatga ttagagaagt gtccttttgc tgatggagga 240
ggggaccta ggaagaagg ggatcccagg tgccctctct ctaattgatc ctccccacct 300
agtttccttt gcctctcttc cttctaccag gtcatgtttt ttactctctg ccccttctgc 360

ctcctagcat ttcaaaaact gtagagtgc ccccatagtg gacattttta gtccagg 417

<210> 128

<211> 657

<212> DNA

<213> Homo sapiens

<400> 128

ccacactgaa atgcagttta atgtggaaac ttttctaaat acatattgta gcatcttttg 60
 acatcaacgt gtggcctgaa atttttatta ttgttccctc ttctcctcca ttaaaaaaaaa 120
 aatctccttg tggatattag tcattttacca ttaacacata ttatggctta aaaagggcca 180
 tcccttccctt ttctgagctg gagttcttca cgctcacctt tgatgcatgg ccttagctgg 240
 ttactttgcc ttggttttgt catgaacatt ggggttagtg gcctggcaac ttgaatgcat 300
 atggaaagaa caatgccaaag tgatctgaca taatacaaat tccgaagtga cattcaatca 360
 caagcaaaagt tggaaattcc aaagagaagt ggtgagatct ttactagtca cagtgaagat 420
 gggagaaaat gacatacctg cagcagatgt gggctgaaaa tatcctcttc tctgcccatt 480
 caggaatgct acctgttttt ggggaataaac ttttagagaaa ggaagggcca aaactacgac 540
 ttggctttct gaaacggaag cataaatgtt ctttctctcc atttgtctgg atctgagaac 600
 ctgcatttgg tattagctag tggaagcagt atgtatgggt gaagtgcatt gctgcag 657

<210> 129

<211> 1220

<212> DNA

<213> Homo sapiens

<400> 129

cgctgctcg gctcacacca acaaggcaag ccaaaggcgc ccctccccag agggatccct 60
 aacgtgccc gcatgtagat tctggactaa cagacaacat acattcaccg ctgggtcacc 120
 agatcctcat tcaaaaccac tgctggcaca tccctttcct tactttgccc tgtgctacca 180
 gccacggaag gagcctctct tgttttttct ataaaatggg taggcaggag aaaagcagg 240
 gccctaagat tgcctaaagg ccagcatgt ggttacagtt ctctgacttg cagaacctgc 300
 caggtgtatg gctacaagtt atcctcgtgc tgatctgtct cactactaag ttaatggaga 360
 agacagaaaag gtaaaaatca cgtgtagcaa gaacaactct tatttcacaa actcaggat 420
 gaaacgaaa gcctgtcctt catggaactg cttttagctc ctgtcttttc aaaatggcag 480
 agggagttcc tacacacact ttttccctgg aggccaaagg ctaggggtag aaaggggagg 540
 ggtggggcta ccaggttagca gttgacaacc caaggtcaga ggagtggccc tcagtgtcat 600
 ctgtccacag tgatacctgc caagatgacc actgaccac atctgggtctt agtcattgg 660
 ctctcagat ttctggggcc acctgcaagc cccattccat tcctacagat ctctcagcca 720
 cctgtaagtc ctttgtgaag atgtgggtga cacaggggga caggaaaacc catttctcaa 780
 ccagatcca tgtctccact gcttctactc tgggttggga ttcaggaaga caggcacagt 840
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 ctggtcaggg agagaagggc agaccattc tcaaagacca ccatgtccaa ggtctgacag 960
 ctccccactg gctgccccca caggggcttt aggtgtgtct gggcatggg gaagcgtccc 1020
 tcttatcgct ggtctgtgtt ctctggatt tggatctat gttggtacga ctctggcct 1080
 tttatctaaa ggactttggc ttttgtaaat cacaagccaa taatagactt ttttctcccc 1140
 ctctgttttt tgctgtgtca tctctgcctt gagactgcct tgagacagtg cttgccttga 1200
 gagagtgagc caattaacag 1220

<210> 130

<211> 1274

<212> DNA

<213> Homo sapiens

<400> 130

```

ccatatgagt ttgccatctc catggatgcc atttcaatgc cttcagggta atcattctct 60
cccccagac tgcccacggg gtcactcact ctgtgacgaa atgagggctg gattgaagat 120
gttctgctga gacccccctt ggtcatcttt ggggtctcag aagagccata atcatgacca 180
ttctcagcat ctgaataatc aggttctctc caagtgttg gcaagttctg attgtcctca 240
gcactgggat agtctggctc cccaaaaaag ggtggagagt taggttgaat gtcagcgct 300
ggataatcag gctttcccag agagtctgcg tatggattga ttctaaaact tgtatgttcc 360
agattctttc tggatcctgg atggttcaaa ttggctctgg gtccaggatg atcagagttg 420
ctctgagctc cagggtagtc cggttctaag gagccaaaat gatctggatg tgttctggag 480
cctgcatagt ttccactgct gctggagcct gcaaaatcag gatttcgttg agatccaggg 540
tagtctgggt gtctggatga tgctcgggtg tagggatgac tctgaaattc actataatct 600
ggctctggta gagaggtagg atggtctggg cttgttctag aggctgcaga gtatgcattg 660
cttctgggtg cagaatagtc tggattactc agagatctag gataatttgg ttctgccaga 720
gaccaggat agtctggacg tgttctggag gctacagagt atggattgct cctggtgccg 780
gggtaatctg gattgttcag aggacctgga acatctggat aaccttgagt tttcaaatac 840
ccctgcgtac ggttctgaga ccctgaatag tcagggtaat ctgggtcttc ctcagaccag 900
ttattcctgt agtaggcaga catgttggtg tggactcttc accctggagt ggtaaactgt 960
cccagcattt gcaattactc agggatcttt tttttttcac ttttttgccc ttattgttct 1020
tgctttgtcc caagtagatg caaatgttgt gcaaaccaac ttgatcttaa gatgtgtta 1080
agaacactgg agtcacgtgt ccatgggtcc ttcaggctgg cttttgatgg gagctgggat 1140
gcagatgatt tacggagggt tataatctgt gatgctggtc tgaagtctga atattccaag 1200
ttgctgactg caggcagagc ctcatgtcct cctggcgctc ctggtgccgc tgcttgcgct 1260
ggccctcggg tcga 1274

```

<210> 131
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 403
 <223> n = A,T,C or G

```

<400> 131
ctgtaattct gccttttcta ccttcattcc atccttcctc tgcccagata aagkccagca 60
gaaattcctc ctttctacct ctctgggact ctgagacagg aaatcttcaa ggaggagttt 120
ttccctcccc actattctta ttctcaaccc ccagaggaac caaggctgct gtaccacact 180
cagggacaga actccacact atagtgggaa agcttcaggg acccctcctt ttagtgctca 240
gggctcacct atgctactgg tccttttggc aaaaaaggaa aatgatagag ccagggttgc 300
ccctgatgta gcagccttac tgtggagggg ccaaagctgg tgttcagagc tcaccaagg 360
agggagggtg taagggtgtc tgcgttctgc tgaacccact ggntgggatg aacatgaggc 420
ttgggytgag ggaaaccaag taggggttgg agaaggagca gcaccttgt macacctggc 480
taccatagc tagctttctg ccctcaaaaa ctcagccttc aagggatcca gccacacac 540
gccacaggca gcag 554

```

<210> 132
 <211> 787
 <212> DNA
 <213> Homo sapiens

```

<400> 132
ctggtcaccc aactcttgtg gaagagggga attgagatcg agtactgaat atctggcaga 60
gaggctggaa tccttcagcc ccagagccca gggaccactc cagtagatgc agagaggggc 120
ctgccagggt gtcagggcag tgggtatcac tggtgacatc aagaatatca gggctgggga 180

```



```

ggcatctttg tttcctggtg cctccctcaa agttgctgac actttgggga cgggaagggg 240
tagaagtagg gctgctcctt ttggagctgg aggggaataga cctggagaca gagttgaggc 300
agtcgggctg tccaggttct aagcatcaca gcttctgcac tgggctctga ggagattctc 360
agccagagga tcccagcctc ctccctccctc aaatgtcagt ccaagcaaat accaaagcaa 420
cgcatcgatt ttgtggaagt caattagaga tgtggggagc tatcgagac aagcactatt 480
gtaccttttc acctccacac ttgtcacaag cagggactgt ctccctcccca ctttgcttgc 540
cacgcctgcc atggcttgag ctggggtgag gagtggctctt tatcttcttt gggagatcct 600
gactggttgc gcacttgcta agggcaggaa gtctggaggg ctgcaggaaat ggtgccgttg 660
ataaacaggt ggacttataa tcatcatgca ctgcaattgt agaacatagt ctctgcctt 720
ttctcatttg tataattgtc tgggtcaata ttctcccaat attgggaggg gctctgcagc 780
cctccag 787

```

```

<210> 133
<211> 219
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 19, 191
<223> n = A,T,C or G

```

```

<400> 133
tactgctcta agttttgtna aatttttcat attttaattt caagcttatt ttggagagat 60
aggaaggtca tttccatgta tgcataataa tcttgcaaag tacaggctact ttgtctaaga 120
aacattggaa gcagggttaa tgttttgtaa actttgaaat atatggtcta atgtttaagc 180
agaattggaa nagactaata tcgggttaaca aataacaac 219

```

```

<210> 134
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 134
gattttaaaa acatcatgac tttgaactga aaaacataca cgtttagcac acaaattattg 60
taatatgaat gaactccaac tccatttgaa aacatgtgaa tcaaagtaca gttttagaag 120
ttagtaattc acatttaagc aagtttagcg cttgctgaat acagcctttg taaaaaagag 180
acttagtgca tattttaatt gtacattgtg gttttgtacc atttggttga gttg 234

```

```

<210> 135
<211> 414
<212> DNA
<213> Homo sapiens

```

```

<400> 135
ctccagcctg gctatatccg gtcccgtat aacctgggca tcagctgcat caacctcggg 60
gctcaccggg aggctgtgga gcactttctg gaggccctga acatgcagag gaaaagccgg 120
ggcccccggg gtgaaggagg tgccatgtcg gagaacatct ggagcaccct gcgtttggca 180
ttgtctatgt taggccagag cgatgcctat ggggcagccg acgcgcggga tctgtccacc 240
ctcctaacta tgtttggcct gccccagtga cagtgggacg ggctgccctg tgagtgtcca 300
cctgggggatt aaatatgtct tcaacaaggg aggcctggct tctacaatgg tttaggtaaa 360
ggggcccttg aagtagttct ggccaggcct gcaatacaca caacacaaga gccca 414

```

```

<210> 136

```

<211> 461
 <212> DNA
 <213> Homo sapiens

<400> 136
 gaagtgatta ataggtttat ttgcatatac acagagaaga gtcagcattg ttgggtgaga 60
 agaggcaggc tgtgaggagg taaggcttca gcagaggaag gcaccttgac agacaacacg 120
 agactcctat taaatcagca cagttgcaaa cttcacctgc ctcaagccaa cagctcattg 180
 aactcatatg tcgattgaga atcatttaca aaaccaggag agaaacaatg ggaagagcaa 240
 cgggtctctca tccctggacc tgacactcaa aacattatgt acaggatgca ggaacaaaat 300
 ctgtctgatc agtgccctct cctgctggga aaaacaccca tcacggaaga atttggggat 360
 taaatatgtc ttcaacaagg gaggcctggc ttctacaatg gtttaggtaa aggggccttt 420
 gaagtagttc tggccaggct tgcaatacac acaacacaag a 461

<210> 137
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 137
 atagcaaattg gacacaaatt acaaattgtgt gtgcgtggga cgaagacatc tttgaaggctc 60
 atgagtttgt tagtttaaca tcatatattt gtaatagtga aacctgtact caaaatataa 120
 gcagcttgaa actggcttta ccaatcttga aatttgacca caagtgtctt atatatgcag 180
 atctaattgta aaatccagaa cttggactcc atcgttaaaa ttatttatgt gtaacattca 240
 aatgtgtgca ttaaatatgc ttccacagt 269

<210> 138
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 414
 <223> n = A,T,C or G

<400> 138
 ctccatggga ggcaaaatat agagaattta tgggtgccaa ctcttatgta atcactggac 60
 taatcttccc tggtaactat gcaacatttg gacagaaagg cacacaaaaa agtttaaata 120
 tttcatgtgc caatctggaa aaaaataatt taaatcaaca gaacagacag tacatctaca 180
 caaatgagga aagcagaaaa gatacctcac attcatttat ctcaggtttc aaagtggctt 240
 caatgctaaa gtaaatgtat taacatttgg aaaatacaag acaatttttt tgtttgtttt 300
 caattttttt agctctatac aatgattaca acataagaca aaaaaaaaaa aaaaacacaa 360
 aaaacaaaac aaaaaaggag ttcaggactt gttatcagtg tccaagtggc taanaactgg 420
 ttcccataac aagcattgaa agttaaggcc cc 452

<210> 139
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 139
 tgtgcctcat tgaggttaca attgaaacag atgtgagcac ctgagagact ttccctgatt 60
 atattcctcc acaaacact gtacatatatt acctattttt atcttcttga aattcttatt 120

```
<210> 140
<211> 487
<212> DNA
<213> Homo sapiens
```

```
<210> 141
<211> 248
<212> DNA
<213> Homo sapiens
```

```
<210> 142
<211> 173
<212> DNA
<213> Homo sapiens
```

```
<210> 143
<211> 511
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 26
 <223> n = A,T,C or G

<400> 143
 cctcgtcaga ggggtggttc ctggtnacct gtactccacg gacctcgggtg aagcaaaagc 60
 ttcagggcag agggaatgag gcaacccagt ggcagccccg ctgggccccg tggctcctgc 120
 tctcctattg gacgtagagg caggggagag acttctctat acaaataattc tcatcacaga 180
 agggatgata cttgctgctc tgccgtaggg tttttgatgc tgagctatgc tgcacatgac 240
 gttaacctaa agaacttgga ctgagctttt aaaaaaggac agcaaacaat tttataatcc 300
 ttaaagtgtg atagacgggt acactagtgc agggatattg ggaggctctt tgggtgtgga 360
 ggctgtcact tgtatttatt gtgactctaa atctttgata gtaaaacaaa tgtaaaaaga 420
 aatgtttgcc accagatggg aatagaagtt ccaataagca ggctggaatg ggtggctata 480
 cgttgtatca cgaggaagtt ttagactctg a 511

<210> 144
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 144
 cattcttctg tcacatgcca attcagttgt caatcccatt gtctatgctt accggaaccg 60
 agacttccgc tacacttttc acaaaattat ctccaggat ctctctgcc aagcagatgt 120
 caagagtggg aatggtcagg ctgggggtaca gcctgctctc ggtgtgggcc tatgatctag 180
 gctctgcct 190

<210> 145
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 145
 gatgtggtta tctcctcaga tggccagttt gccctctcag gctcctggga tggaaacctg 60
 cgctctcggg atctcacaac gggcaccacc acgaggcgat ttgtgggcca taccaaggat 120
 gtgctgagtg tggccttctc ctctgacaac cggcagattg tctctggat 169

<210> 146
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 146
 atctagagaa gatttgggaa acacatgata gctatgggta aataacttaac agggcaatca 60
 cagggaagat gactagattt cctaacatcc atgagtgaag tttatagaag tatactctct 120
 gacttgatat aaaggaagat tttaaaaaac atgactgttc aggagtgttc aagtagggtc 180
 agatgaccag tgattgggaa tacttcgtaa gcaggagcaa gtaagatctg agccactgtt 240
 ctatcggtag ggtgtctgtg gtattccttg gtcaaagaag tactctaagc aacttcagtc 300
 tcacgaatta ctatcacctt cgtgggcata catgatggtt accctaaaga ggaagtttca 360
 gaaggcagta atattggatc ctggaatagt cagacaggag ccttcatgca gatacccttt 420
 tcagttctcc atacaccat tcacaagtgg tcacaaaaac acccagtacc tttacttggc 480
 tttaccact taacaatatg ctcaatatga g 511

```
<220>  
<221> misc_feature  
<222> 387  
<223> n = A,T,C or G
```

```
<210> 148
<211> 237
<212> DNA
<213> Homo sapiens
```

```
<210> 149
<211> 168
<212> DNA
<213> Homo sapiens
```

```
<210> 150
<211> 68
<212> DNA
<213> Homo sapiens
```

```
<400> 150
ggtagggggttt ggcagagatg antttaagtg ctgtggccag aagcgggggg ggggtttggt 60
ggaaattt                                     68
```

<400>	153						
gaattcggca	cgagggtggt	cagatgtcca	ctactgggag	tatggtcgaa	ttgggaattt	60	
tattgtgaaa	aagcccatgg	tgctgggaca	tgaagcttcg	ggaacagtcg	aaaaagtggg	120	
atcatcggtg	aagcacctaa	aaccagggtg	tcgtgttgcc	atcgagcctg	gtgctccccg	180	
agaaaaatgat	gaattctgca	agatggggcg	atacaatctg	tcaccttcca	tcttcttctg	240	
tgccgcgccc	cccgatgacg	ggaacctctg	ccggttctat	aagcacaatg	cagccttttg	300	
ttacaagctt	cctgacaatg	tcacctttga	ggaaggcgcc	ctgatcgagc	cactttctgt	360	
ggggatccat	gcctgcagga	gaggcggagt	taccttggga	cacaagggtc	ttgtgtgtgg	420	
agctgggccg	atcgggatgg	tcactttgct	cgtggccaaa	gcaatgggag	cagctcaagt	480	
agtggtgact	gatctgtctg	ctacccgatt	gtc			513	

<400> 156

```
<210> 157
<211> 507
<212> DNA
<213> Homo sapiens
```

```
<210> 158
<211> 507
<212> DNA
<213> Homo sapiens
```

<400>	158					
ggcacgagtc	gagctgtgcc	tattcngtc	aatccaagag	tgagtaatgt	gaagtctgtc	60
tacaaaaccc	acattgatgt	cattcattat	cggaaaacgg	atgcaaaacg	tctgcatggc	120
cttgatgaag	aagcagaaca	gaaacttttt	tcagagaaac	gtgtggaatt	gcttaaggaa	180
ctttccagga	aaccagacat	ttatgagagg	cttgcttcag	ccttggtccc	aagcatttat	240
gaacatgaag	atataaagaa	gggaattttg	cttcagctct	ttggcgggac	aaggaaggat	300
tttagtcaca	ctggaagggg	caaatttcgg	gctgagatca	acatcttgct	gtgtggcgac	360
cctggtacca	gcaagtccca	gctgctgcag	tacgtgtaca	acctcgtccc	caggggccag	420
tacacgtntg	ggaagggctc	cagtgcann	ggcctnactg	cntacgtaat	gaaagaccct	480
gagacaaggn	anctggnnct	gnnacag				507

```
<220>  
<221> misc_feature
```


$\langle 223 \rangle$ n = A, T, C or G

ggcactnanaa	accaggatta	tggtnnggat	ccaaagattg	ctaattgcaat	aatgaaggca	60
gcagatgagg	tagctgaagg	taaattaaat	gatcattttc	ctctcgtggt	atggcagact	120
ggatcaggaa	ctcagacaaa	tatgaatgta	aatgaagtca	ttagcaatag	agcaattgaa	180
atgttagggag	gtgaacttgg	cagcaagata	cctgtgcata	ccaacgatca	tgtaataaaa	240
agccagagct	caaatgatac	ttttcccaca	gcaatgcaca	ttgctgctgc	aatagaagtt	300
catgaagtac	tgttaccagg	actacagaag	ttacatgatg	ctcttgatgc	aaaatccaaa	360
gagtttgac	agatcatcaa	gattggacgt	actcatactc	aggatgctgt	tccacttact	420
cttggggcagg	aatttagtgg	ttatgttcaa	caagtaaaat	atgcaatgac	aagaataaaa	480
gctgccatgc	caagaatcta	tgagctcg				508

<211> 508

<213> Homo sapiens

<221> misc_feature

<223> n = A, T, C or G

ggcacgagct	tggagcaaa	tcatctnaag	gaattagagg	acacacttca	ggttaggcac	60
atacaagagt	ttgagaaggt	tatgacagac	cacagagttt	ctttggagga	attaaaaaaag	120
gaaaaccaac	aaataattaa	tcaaatacaa	gaatctcatg	ctgaaattat	ccaggaaaaaa	180
gaaaaacagt	tacaggaatt	aaaactcaag	gtttctgatt	tgtcagacac	gagatgcaag	240
ttagaggttg	aacttgcgtt	gaaggaagca	gaaactgatg	aaataaaaaat	tttgctggaa	300
gaaagcagag	cccagcagaa	ggagaccttg	aaatctcttc	ttgaacaaga	gacagaaaaat	360
ttgagaacag	aaattagtaa	actcaaccaa	aagattcagg	ataataatga	aaattatcag	420
gtgggcttag	cagagctaag	aactttaatg	acaattgaaa	aagatcagtg	tatttccgag	480
ttaattagta	gacatgaaga	agaatcta				508

<211> 507

<213> Homo sapiens

ggcacgagcg	ctaccggcgc	ctcctctgcg	gccactgagc	cggagccggc	ctgagcagcg	60
ctctcggttg	cagtaccac	tggaaggact	taggcgctcg	cgtggacacc	gcaagcccct	120
cagtagcctc	ggcccaagag	gcctgctttc	cactcgctag	ccccgcggg	ggtccgtgtc	180
ctgtctcggt	ggccggaccc	gggcccgagc	ccgagcagta	gccggcgcca	tgtcggtggt	240
gggcatagac	ctgggcttcc	agagctgcta	cgtcgctgtg	gcccgcgccg	gcggcatacga	300
gactatcgct	aatgagtata	gcgaccgctg	cagccggct	tgcatttctt	ttggtcctaa	360
gaatcgttca	attggagcag	cagctaaaag	ccaggttaatt	tctaatagcaa	agaacacagt	420
ccaaggattt	aaaagattcc	atggccgagc	attctctgat	ccatttgtgg	aggcagaaaa	480
atctaaccct	gcatatgata	ttgtgca				507

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 27

<223> n = A,T,C or G

<400> 162

```
ggcacgagca gctgtgcacc gacatgntct cagtgtcctg agtaagacca aagaagctgg 60
caagatcctc tctaataatc ccagcaaggg actggccctg ggaattgcca aagcctggga 120
gctctacggc tcacccaatg ctctggtgct actgattgct caagagaagg aaagaaacat 180
atttgaccag cgtgccatag agaattgagct actggccagg aacatccatg tgatccgacg 240
aacatttgaa gatattctctg aaaaggggtc tctggaccaa gaccgaaggc tgtttgtgga 300
tggccaggaa attgctgtgg ttactttccg ggatggctac atgcctcgtc agtacagtct 360
acagaattgg gaagcacgtc tactgctgga gaggtcacat gctgccaaagt gccagacat 420
tgccaccag ctggctggga ctaagaaggc gcagcaggag ctaagcaggc cgggcatgct 480
ggagatgttg ctccctggcc agcctga 507
```

<210> 163

<211> 460

<212> DNA

<213> Homo sapiens

<400> 163

```
ggcacgagaa ataactttat ttcatttgtg gtcgcggttc ttgtttgtgg atcgctgtga 60
tcgtcacttg acaatgcaga tcttcgtgaa gactctgact ggtaagacca tcaccctcga 120
ggttgagccc agtgacacca tcgagaatgt caaggcaaag atccaagata aggaaggcat 180
ccctcctgac cagcagaggc tgatctttgc tggaaaacag ctggaagatg ggcgcaccct 240
gtctgactac aacatccaga aagagtccac cctgcacctg gtgctccgtc tcagaggtgg 300
gatgcaaata ttcgtgaaga cactcactgg caagaccatc acccttgagg tggagccag 360
tgacaccatc gagaacgtca aagcaaagat ccaggacaag gaaggcattc ctctgacca 420
gcagaggttg atctttgccg gaaagcagct ggaagatggg 460
```

<210> 164

<211> 462

<212> DNA

<213> Homo sapiens

<400> 164

```
ggcacgagcc ggatctcatt gccacgcgcc cccgacgacc gcccgaagtg cattcccgat 60
tccttttggg tccaagtcca atatggcaac tctaaaggat cagctgattt ataattctt 120
aaaggaagaa cagaccccc agaataagat tacagttgtt ggggttggtg ctgttggcat 180
ggcctgtgcc atcagtatct taatgaagga cttggcagat gaacttgctc ttgttgatgt 240
catcgaagac aaattgaagg gagagatgat ggatctccaa catggcagcc ttttccttag 300
aacaccaaag attgtctctg gcaaagacta taatgtaact gcaaactcca agctgggtcat 360
tatcacggct ggggcacgtc agcaagaggg agaaagccgt ctttaatttg tccagcgtaa 420
cgtgaacatc tttaaattca tcattcctaa tgttgtaaaa ta 462
```

<210> 165

<211> 462

<212> DNA

<213> Homo sapiens

<400> 165

```
<210> 166
<211> 459
<212> DNA
<213> Homo sapiens
```

<400> 166						
ggcacgagag	ggacctgtnt	gaatggntcc	actaggggtn	anntgnctct	tactttttaac	60
cantnaaatn	gacctgcccg	tgaanangcg	ggcntgacac	annaanacga	gaagacccta	120
tggagcttta	atttattaat	gcanacagna	cctaacaaac	ccacangtcc	taaactacca	180
agcctgcatt	aaaaatttcg	gntggggcna	cctcnnagca	naacccaacc	tccgagcaac	240
tcatgctaag	acttcaccag	tcaaagctga	actactatac	tcaattgata	caataacttg	300
accaacagan	caagntaccc	tagggataac	ancacaatcc	tattctagac	cccttatnac	360
caatangntt	tacacctcna	tnngngaacc	aggacatccg	atggggcagn	cgttattaaa	420
gttngttgnt	aacnataaag	tctacgtgat	ctgagttag			459

```
<210> 167
<211> 464
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 17, 20, 22, 28, 33, 40, 45, 46, 55, 82, 99, 108, 115, 132,
150, 171, 182, 192, 244, 252, 276, 306, 313, 318, 320, 332,
352, 370, 376, 377, 378, 393, 395, 399, 403, 420, 434, 435,
455, 456
<223> n = A,T,C or G
```

<400> 167						
gaattggggac	caacganaan	cntgcggnlc	ttnttttgc	tccanngccc	agctnattgc	60
tcagacacac	atgggggaagg	tnaaggtcgg	gagtcaacng	atttggtngt	attgnagcgt	120
ttggtcacca	gngctgcttt	taactctggn	aaagtggata	ttgttgtcat	naatgacccc	180
tncattgacc	tnaactacat	ggtttacatg	ttccaatatg	attccaccca	tggcaaattc	240
catngcaccg	tnaaggctga	gaacgggaag	cttgtnatca	atggaaatcc	catcaccatc	300
tttcangaac	ganatccntn	caaaaatcaa	anttgggggc	gatgcttggc	cncttgaagt	360
accgttcaan	gggaannncc	ccactttggc	cgntntttnc	aanccacccc	caatttgggn	420
aaaaaaaaaag	gggnnttttg	gggggggcct	tttanntttt	tttt		464

<210> 168
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 11, 12, 18, 42, 47, 83, 84, 88, 91, 100, 123, 172, 174,
 177, 189, 192, 196, 199, 204, 210, 216, 218, 228, 231, 232,
 236, 240, 249, 251, 259, 263, 264, 269, 272, 275, 278, 280,
 287, 292, 294, 305, 310, 328, 329, 335, 345, 349, 357
 <223> n = A,T,C or G

<221> misc_feature
 <222> 375, 377, 446, 455
 <223> n = A,T,C or G

<400> 168
 ggcacgaggn nnaacctncg gggctggggc agcacgcctt gngcaancct gcactgcact 60
 gaagacccgg tgccggaagc cgngggcngc nacatgcagn aactgaacca gctgggcgcg 120
 cancagttct cagacctgac agagggtgctt ttacacttcc taactgatcc anantangtg 180
 gaaatatnt tngttnatnt catntgaatn atccancncc aatcatanca nntttnattn 240
 cctcataanc nttgagaana gcnnccctnt gnttncanan ggtgctntga anangagtct 300
 cacangcaan caggtccaag cggatttnnt aactntgggt cttantgang agaaagncac 360
 ttacttttct gaaancngga agcagaatgc tcccaccctt gctcgatggg ccatacgtea 420
 agactctgat gattaaccag ctttanatat ggacnggaaa tt 462

<210> 169
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20, 64, 69, 71, 73, 91, 109, 113, 151, 237, 238, 241, 255,
 266, 269, 280, 290, 302, 312, 318, 329, 334, 355, 357, 359,
 376, 379, 380, 382, 397, 409, 410, 415, 422, 442, 446, 452
 <223> n = A,T,C or G

<400> 169
 ggcacgaggg acagcagacn agacagtcac agcagccttg acaaaacggt cctggaactc 60
 aagntcttnt ncncaaagga ggacagagca nacagcagag accatggant ctncctcggc 120
 cctctcccac agatgggtgca tcccctggca naggtccttg ctacagcct cacttctaac 180
 cttctggaac ccgcccacca ctgccaagct cactattgaa tccacgccgt tcaatgnntc 240
 ntaggggaag gagnggcttt ctactnttnc acaatctgan ccccttcttn tttgggttact 300
 ancatggctc tncatgtnaa aatactggna tggntaacct gtcaaattta taggnantnt 360
 gctaattggg aaactnccnn tngtctaccc caggggnccc agattcctnn gttcncataa 420
 cnattaattt aaccctaat gncaanccct tngttaaaga 460

<210> 170
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 27
 <223> n = A,T,C or G

<400> 170
 ggcacgaggg ggatttttag gtggtcnggt gtggtatcag gaataatgtg ggaggccaga 60
 ttgaagtcca ggccaggaac aatggtaatt gtgggactta agaaagtgtg agtacagctg 120
 aatgagccgg ggagcagaaa gtatatgcgt caggatagag gaagaaaata gattttggaa 180
 gttatgagaa atgtagagag tgagttgagc atagtttgtg attttgaggg cctctaacag 240
 tattaagca gcggcagcgg ctgcacacag acatgatggc taggctaaaa caggaagggtc 300
 aagttgtttg gacagaaagg ctacaggggtg cagtcctggc tcttgtgtaa gaattctgac 360
 cacactaacc atgcctagga aggaaaggag ttgttctttt gtaagggatt gaggtttggg 420
 agattaatcg gacacgatca gcaggagag cacctgtgtt tttatgagaa ttatgctgag 480
 ataggttaaca gatgaggatg aaatttgg 508

<210> 171
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26
 <223> n = A,T,C or G

<400> 171
 ggcacgagac cagccactag cgcagnctcg agcgatggcc tatgtccccg caccgggcta 60
 ccagcccacc tacaaccoga cgctgcctta ctaccagccc atcccgggcg ggctcaacgt 120
 gggaaatgtct gtttacatcc aaggagtggc cagcgagcac atgaagcggg tcttcgtgaa 180
 ctttgtgggt gggcaggatc cgggctcaga cgtcgccttc cacttcaatc cgcggtttga 240
 cggctgggac aaggtggtct tcaacacgtt gcagggcggg aagtggggca gcgaggagag 300
 gaagaggagc atgcccttca aaaaggggtgc cgcctttgag ctggtcttca tagtcctggc 360
 tgagcactac aaggtggtgg taaatggaaa tcccttctat gagtacgggc accggcttcc 420
 cctacagatg gtcacccacc tgcaagtgga tggggatctg caacttcaat caatcaactt 480
 catcggaggc cagcccctcc ggcccca 507

<210> 172
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 172
 ggcacgagct ggagtgtctg ctgccacccc ctcgctcctct gcagaaatgt ctgtcaccta 60
 cgatgactct gtgggagtgg aagtgtccag cgacagcttc tgggagggtg ggaactacaa 120
 acggactgtg aagcggattg acgatggcca ccgcctgtgt ggtgacctca tgaactgtct 180
 gcatgagcgg gcacgcacatc agaaggcgta tgcacagcag ctcaactgag gggcccgacg 240
 ctggaggcag ctggtagaga agggaccaca gtatgggacc gtggagaagg cctggatagc 300
 tgtcatgtct gaagcagaga gggtagagtga actgcacctg gaagtgaagg catcaactgat 360
 gaatgaagac tttgagaaga tcaagaactg gcagaaggaa gcctttcac 409

<210> 173
 <211> 409
 <212> DNA

<213> Homo sapiens

<400> 173

```
ggcacgaggg cagctagagg aagagtccaa ggccaagaac gcaactggccc acgccctgca 60
gtcagctcgc catgactgtg acctgctgcg ggaacagtat gaagaggagc aggaagccaa 120
ggctgagctg cagagggcca tgtccaaggc caacagcgag gtagcccagt ggaggacgaa 180
atatgagacg gatgccatcc agcgcacaga ggagctggaa gaggccaaga agaagctggc 240
tcagcgtctg caggatgctg aggaacatgt agaagctgtg aattccaaat gcgcttctct 300
tgaaaagacg aagcagcgac ttcagaatga agtggaggac ctcatgattg acgtggagag 360
gtctaattgct gcctgcgctg cgcttgataa gaagcagagg aactttgac 409
```

<210> 174

<211> 407

<212> DNA

<213> Homo sapiens

<400> 174

```
ggcacgagcc ggggcggggc gcggcgctcc ggctcgaggc attcgagct gcgggagccg 60
ggctggcagg agcaggatgg cggcggcggc ggctgcaggc gaggcgcgcc ggggtgctgt 120
gtacggcggc aggggcgctc tgggttctcg atgcgtgcag gcttttcggg cccgcaactg 180
gtgggttgcc agcgttgatg tgggtggagaa tgaagaggcc agcgctagca tcattgttaa 240
aatgacagac tcgttcaactg agcaggctga ccagggtgact gctgaggttg gaaagctctt 300
gggtgaagag aagggtggatg caattctttg cglttgctgga ggatgggccg ggggcaatgc 360
caaatccaag tctctcttta agaactgtga cctgatgtgg aagcaga 407
```

<210> 175

<211> 407

<212> DNA

<213> Homo sapiens

<400> 175

```
ggcacgagct tgcccgtcgg tcgctagctc gctcgggtgcg cgtcgtcccg ctccatggcg 60
ctcttcgtgc ggctgctggc tctcgccctg gctctggccc tgggccccgc cgcgaccctg 120
gcgggtcccg ccaagtgcgc ctaccagctg gtgctgcagc acagcaggct ccggggccgc 180
cagcacggcc ccaacgtgtg tgctgtgcag aaggttattg gcactaatag gaagtacttc 240
accaactgca agcagtggta ccaaaggaaa atctgtggca aatcaacagt catcagctac 300
gagtgtgtgc ctggatatga aaagggtccct ggggagaagg gctgtccagc agccctacca 360
ctctcaaacc tttaacgagac cctgggagtc gttggatcca ccaccac 407
```

<210> 176

<211> 409

<212> DNA

<213> Homo sapiens

<400> 176

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ggcacgagtg gtgccaaaac gggaccatgc cctcctggag gagcagagca agcagcagtc 60
caacgagcac ctgcgcgcgc agttcgccag ccaggccaat gttgtggggc cctggatcca 120
gaccaagatg gaggagatcg ggcgcattct cattgagatg aacgggaccc tggaggacca 180
gctgagccac ctgaagcagt atgaacgcag catcgtggac tacaagccca acctggacct 240
gctggagcag cagcaccagc tcatccagga ggccctcatc ttcgacaaca agcacacca 300
ctataccatg gagcacatcc gcgtgggctg ggagcagctg ctaccacca ttgcccgcac 360
catcaacgag gtggagaacc agatcctcac ccgcgacgcc aagggcac 409
```

<210> 177

<211> 408
 <212> DNA
 <213> Homo sapiens

<400> 177
 ggcacgaggt ccaggtaact gcaaaaacaa tggctcagca tgaagaactg atgaagaaaa 60
 ctgaaacaat gaatgtagtt atggagacca ataaaatgct aagagaagag aaggagcagg 120
 tttcaaaaat ggcacgagtc cgtcagcatt tggagaaac aacacagaaa gcagaatcac 180
 agttgttgga gtgtaaagca tcttgggagg aaagagagag aatgttaaag gatgaagttt 240
 ccaaattgtgt atgtcgctgt gaagatctgg agaaacaaaa cagattactt catgatcaga 300
 tcgaaaaatt aagtgacaag gtcgttgccct ctgtgaagga aggtgtacaa ggtccactga 360
 atgtatctct cagtgaagaa ggaaaatctc aagaacaaat tttggaaa 408

<210> 178
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 178
 ggcacgagaa gaaattaaga gctaaagaca aggagaatga aaatatgggt gcaaagctga 60
 acaaaaaagt taaagagcta gaagaggaga tg 92

<210> 179
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 179
 ggcacgagga gacacgccac ctataccaca gttctcagaa tgaattagct aagttggaat 60
 cagaacttaa gagtctcaaa gaccagttga ctgatttaag taactcttta gaaaaatgta 120
 aggaacaaaa aggaaacttg gaagggatca taaggcagca agaggctgat attcaaaatt 180
 ctaagttcag ttatgaacaa ctggagactg atcttcaggc ctccagagaa ctgaccagta 240
 ggctgcatga agaaataaat atgaaagagc aaaagattat aagcctgctt tctggcaagg 300
 aagaggcaat ccaagtagct attgctgaac tgcgtcagca acatgataaa gaaattaaag 360
 agctggaaaa cctgctgtcc caggaggaag aggagaatat tgttttagaa g 411

<210> 180
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 180
 ggcacgaggt tgttcggagc gggcgagcgg agttagcagg gctttactgc agagcgcgcc 60
 gggcactcca gcgaccgtgg ggatcagcgt aggtgagctg tggccttttg cgaggtgctg 120
 cagccatagc tacgtgcgtt cgctacgagg attgagcgtc tccacccatc ttctgtgctt 180
 caccatctac ataatgaatc ccagtatgaa gcagaaacaa gaagaaatca aagagaatat 240
 aaagactagt tctgtcccaa gaagaactct gaagatgatt cagccttctg catctggatc 300
 tcttggttga agagaaaaatg agctgtccgc aggttgtgcc aaaaggaaac atcggaatga 360
 ccacttaaca tctacaactt ccagccctgg ggttattgtc ccagaatcta g 411

<210> 181
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 181

```

ggcacgagggc gggacagggc gaagcggcct gcgcccacgg agcgcgcgac actgcccggg 60
agggaccggc acccttgccc cctcagctgc ccaactcgtga tttccagcgg cctccgcgcg 120
cgacagatgc cctcgccac cagccacagc gggagcggca gcaagtcgtc cggaccggca 180
ccgccgtcgg gttcctccgg gagtgaggcg gccgcgggag ccggggccgc cgcgccggct 240
tctcagcacc ccgcaaccgg caccggcgct gtccagaccg aggccatgaa gcagattctc 300
ggggtgatcg acaagaaact tcggaacctg gagaagaaaa agggtaagct tgatgattac 360
caggaacgaa tgaacaaagg ggaaaggctt aatcaagatc agctggatgc c 411

```

<210> 182

<211> 411

<212> DNA

<213> Homo sapiens

<400> 182

```

ggcacgagcc gacatggagc tgttcctcgc gggccgcggg gtgctgggtca ccggggcagg 60
caaaggtata gggcgcgga cgggtccaggc gctgcacgcg acggggcgcg ggggtgggtggc 120
tgtgagccgg actcaggcgg atcttgacag ccttgtccgc gagtgcccgg ggatagaacc 180
cgtgtgcgtg gacctgggtg actgggaggc caccgagcgg gcgctgggca gcgtgggccc 240
cgtggacctg ctggtgaaca acgccgctgt cgccctgctg cagcccttcc tggaggtcac 300
caaggaggcc tttgacagat cctttgaggt gaacctgcgt gcggtcatcc aggtgtcgca 360
gattgtggcc aggggcttaa tagcccgggg agtcccaggg gccatcgtga a 411

```

<210> 183

<211> 409

<212> DNA

<213> Homo sapiens

<400> 183

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ggcacgagcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 60
aaaggactct cgacccaaac tgccccagac cctctccaga ggttggggtg accaactcat 120
ctggactcag acatatgaag aagctctata taaatccaag acaagcaaca aacccttgat 180
gattattcat cacttggtat agtgcccaca cagtcaagct ttaaagaaag tgtttgctga 240
aaataaagaa atccagaaat tggcagagca gtttgtcctc ctcaatctgg tttatgaaac 300
aactgacaaa cacctttctc ctgatggcca gtatgtccc aggattatgt ttgttgacct 360
atctctgaca gttagagccg atatcactgg aagatattca aatcgtctc 409

```

<210> 184

<211> 410

<212> DNA

<213> Homo sapiens

<400> 184

```

ggcacgaggt cattccagca ccaacaggat ccaagccaga ttgattgggc tgcattggcc 60
caagcttggg ttgcccagg agaagcttca ggacagcaaa gcatggtaga acaaccacca 120
ggaatgatgc caaatggaca agatatgtct acaatggaat ctggtccaaa caatcatggg 180
aatttccaag gggattcaaa cttcaacaga atgtggcaac cagaatgggg aatgcatcag 240
caacccccac acccccctcc agatcagcca tggatgccac caacaccagg cccaatggac 300
attgttctct cttctgaaga cagcaacagt caggacagtg ggggaatttg ccctgacaac 360
aggcatatat ttaaccagaa caatcacaac tttggtggac cacccgataa 410

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<210> 185

<211> 411

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 366
<223> n = A,T,C or G

<400> 185
ggcacgagca cagatgtagt tttctctgcg cgtgtgcgtt ttccctcctc ccccgccctc 60
aggggtccacg gccaccatgg cgtattaggg gcagcagtg ctcgcccagc attggccttt 120
gcagcggcgg cagcagcacc aggctctgca gcggcaaccc ccagcggctt aagccatggc 180
gcttctcacg gcattcagca gcagcgttgc tgtaaccgac aaagacacct tcgaattaag 240
cacattcctc gattccagca aagcaccgca acatgaccga aatgagcttc ctgagcagcg 300
aggtgttggg gggggacttg atgtccccct tcgacccgctc gggtttgggg gctgaagaaa 360
gcctangtct cttagatgat tacctggagg tggccaagca cttcaaacct c 411

<210> 186
<211> 410
<212> DNA
<213> Homo sapiens

<400> 186
ggcacgagct tctagtcccg ccatggccgc tctcaccgga gacccccagt tccagaagct 60
gcagcaatgg taccgcgagc accgctccga gctgaacctg cgcgcctctc tcgatgccaa 120
caaggaccgc ttcaaccact tcagcttgac cctcaacacc aacctgggc atatcctggg 180
ggattactcc aagaacctgg tgacggagga cgtgatgcgg atgctggtgg acttggccaa 240
gtccaggggc gtggaggccg cccgggagcg gatgttcaat ggtgagaaga tcaactacac 300
cgaggggtcg gccgtgctgc acgtggctct gcggaaccgg tcaaacacac ccacctctgg 360
agacggcaag gatgtgatgc cagaggtcaa caaggttctg gacaagatga 410

<210> 187
<211> 506
<212> DNA
<213> Homo sapiens

<400> 187
ctttcgtggc tcaactccctt tcctctgctg ccgctcggtc acgcttgtgc ccgaaggagg 60
aaacagtgc agacctggag actgcagttc tctatccttc acacagctct ttcaccatgc 120
ctggatcact tcctttgaat gcagaagctt gctggccaaa agatgtggga attgttgccc 180
ttgagatcta ttttccttct caatatgttg atcaagcaga gttggaaaaa tatgatggtg 240
tagatgctgg aaagtatacc attggcttgg gccaggccaa gatgggcttc tgcacagata 300
gagaagatat taactctctt tgcattgactg tggttcagaa tcttatggag agaaataacc 360
tttcctatga ttgcattggg cggctggaag ttggaacaga gacaatcatc gacaaatcaa 420
agtctgtgaa gactaatttg atgcagctgt ttgaagagtc tgggaatata gatatagaag 480
gaatcgacac aactaatgca tgctat 506

<210> 188
<211> 506
<212> DNA
<213> Homo sapiens

<400> 188
gccacagagg cggcggagag atggccttca gcggttccca ggctccctac ctgagtccag 60

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ctgtccctt ttctgggact attcaaggag gtctccagga cggacttcag atcactgtca 120
atgggaccgt tctcagctcc agtggaacca ggtttgctgt gaactttcag actggcttca 180
gtggaaatga cattgccttc cacttcaacc ctcggtttga agatggaggg tacgtgggtg 240
gcaacacgag gcagaacgga agctgggggc ccgaggagag gaagacacac atgcctttcc 300
agaaggggat gccctttgac ctctgcttcc tggcgagag ctcagatttc aagggtgatg 360
tgaacgggat cctcttcgtg cagtacttcc accgcgtgcc cttccaccgt gtggacacca 420
tctccgtcaa tggctctgtg cagctgtcct acatcagctt ccagcctccc ggcgtgtggc 480
ctgccaaccc ggctcccatt acccag 506

```

```

<210> 189
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 189
ctggacagga gaagagcctg gctgctgaag gcagggctga cagcaccacg ggcagcattg 60
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accctgccgg accggctggg ctctgagggc cgacatctgg cctttcccag ggcccaggaa 180
aggaaacctt ggaaagtgtc ctaatcgctc tagactctga aaaacccaag aaacttcgct 240
tccacccaaa gcagctgtac ttctctgcca ggcagggtga gctgcagaag gtgcttctca 300
tgctgggtga tgggaattgat cccaacttca aaatggagca ccaaagtaag cgttcccat 360
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<210> 190
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<212> DNA
<213> Homo sapiens

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gccaggaaaa attcagcaca ttctctgcac aggaaacctt tgcaccaaag agagttatga 180
ctatctcaag actctggctg gtgatgttca tattgtgaga ggagacttcg atgagaatct 240
gaattatcca gaacagaaag ttgtgactgt tggacagttc aaaattggtc tgatccatgg 300
acatcaagtt attccatggg gagatatggc cagcttagcc ctggtgcaga ggcaatttga 360
tgtggacatt cttatctcgg gacacacaca caaatttgaa g 401

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<210> 191
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<212> DNA
<213> Homo sapiens

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cgttactccc cttcatagct ttaaaagggt ttgcgactgc gtgcagttag agtagctaaa 180
tcttggtgta cgctccacaa aactttgtaa gaattttgca gagaaagata accggttgcca 240
cccaatgccc ccacaggga ttctactccc cagtacctct taggggtggga gaaatggtga 300
agagttgttc ctacaacttg ctaacctagt ggacagggtg gtagattagc atcatccgga 360
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<210> 192
<211> 316
<212> DNA

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<213> Homo sapiens

<400> 192

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caaaattatt tttttctgta aagtataata tataaaactt cttgcttaaa ttgaatttct 180
atattagtgg ttaattgcag tttattaaag ggatcattat cagtaatttc atagcaactg 240
ttctagtgtt ttgtgttttt aaaacagaat taggaatttg agatatctga ttatattttt 300
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<210> 193

<211> 146

<212> DNA

<213> Homo sapiens

<400> 193

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<210> 194

<211> 405

<212> DNA

<213> Homo sapiens

<400> 194

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ccatacaaat gtgcacaccc aggctgtgag aaagccttca cacaactctc caatctgcag 300
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<210> 195

<211> 421

<212> DNA

<213> Homo sapiens

<400> 195

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cccggccccg cgctgtctgg cgcgcgcgc gccagcgcgc atgcagcaga ttggaataaa 180
tatgatgacc gattgatgaa agcagcagaa aggggggatg tagaaaaagt gacgtcaatc 240
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gttgtgacct caaaggggaa tcttgagtggt ttgaatgcc a tccttataca tggagttgat 360
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<210> 196

<211> 476

<212> DNA

<213> Homo sapiens

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agttatacaa	tcttgacaaa	gaagaataaa	gtgggaagaa	tctatttgat	tttaaggcct	180
accatgtaac	tacagtcatc	aagagagtgt	ggatcggca	gacggtcaga	catacagatc	240
aatggaatgt	aacagaggac	ccagaaatag	gccacacag	atatgctcaa	tggatatattg	300
acaagcgtgc	aaaacaattc	aatggaagaa	taagctttca	aaaaaatggc	gttggagcaa	360
ccgacatcc	ataggaaaaa	atgaacccat	acctaaccac	taaaccttat	ataaaaaataa	420
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<213> Homo sapiens

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ctgccgtcca	tgggggtgc	attggcggag	gtgtggacct	tgtcacccgc	tgtgacatcc	420
ggtaactgtc	ccaggatgct	ttcttccagg	tgaaggaggt	ggacgtgggt	ttggctgcc	480
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<213> Homo sapiens

[illegible]

[illegible]

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<210> 200
<211> 132
<212> PRT
<213> Homo sapiens
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			20					25					30			
Pro	Gln	Ala	Pro	Glu	Cys	Phe	Asp	Pro	Ala	Gly	Pro	Ala	Gly	Leu	Val	
			35				40						45			
Arg	Pro	Thr	Ser	Gly	Leu	Ser	Gln	Gly	Pro	Gly	Lys	Glu	Thr	Leu	Glu	
	50					55					60					
Ser	Ala	Leu	Ile	Ala	Leu	Asp	Ser	Glu	Lys	Pro	Lys	Lys	Leu	Arg	Phe	
65					70					75					80	
His	Pro	Lys	Gln	Leu	Tyr	Phe	Ser	Ala	Arg	Gln	Gly	Glu	Leu	Gln	Lys	
				85					90					95		
Val	Leu	Leu	Met	Leu	Val	Asp	Gly	Ile	Asp	Pro	Asn	Phe	Lys	Met	Glu	
			100					105					110			
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Val Asp Ile Cys
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<210> 201
<211> 120
<212> PRT
<213> Homo sapiens

<400> 201
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35 40 45
Leu Lys Thr Leu Ala Gly Asp Val His Ile Val Arg Gly Asp Phe Asp
50 55 60
Glu Asn Leu Asn Tyr Pro Glu Gln Lys Val Val Thr Val Gly Gln Phe
65 70 75 80
Lys Ile Gly Leu Ile His Gly His Gln Val Ile Pro Trp Gly Asp Met
85 90 95
Ala Ser Leu Ala Leu Leu Gln Arg Gln Phe Asp Val Asp Ile Leu Ile
100 105 110
Ser Gly His Thr His Lys Phe Glu
115 120

<210> 202
<211> 135
<212> PRT
<213> Homo sapiens

<400> 202
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20 25 30
Lys Thr Phe Ala Asn Ser Ser Tyr Leu Ala Gln His Ile Arg Ile His
35 40 45
Ser Gly Ala Lys Pro Tyr Ser Cys Asn Phe Cys Glu Lys Ser Phe Arg
50 55 60
Gln Leu Ser His Leu Gln Gln His Thr Arg Ile His Thr Gly Asp Arg
65 70 75 80
Pro Tyr Lys Cys Ala His Pro Gly Cys Glu Lys Ala Phe Thr Gln Leu
85 90 95
Ser Asn Leu Gln Ser His Arg Arg Gln His Asn Lys Asp Lys Pro Phe
100 105 110
Lys Cys His Asn Cys His Arg Ala Tyr Thr Asp Ala Ala Ser Leu Glu
115 120 125
Val His Leu Ser Thr His Thr
130 135

1052201

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.5	0	1
Employment Status	0.8	0.4	0	1
Home Ownership	0.6	0.5	0	1
Vehicle Ownership	0.4	0.5	0	1
Travel Frequency	0.3	0.4	0	1
Spending Habits	0.5	0.6	0	1
Life Satisfaction	0.6	0.5	0	1
Stress Levels	0.4	0.5	0	1
Work-Life Balance	0.5	0.5	0	1
Community Involvement	0.3	0.4	0	1
Environmental Awareness	0.4	0.5	0	1
Health Consciousness	0.6	0.5	0	1
Financial Literacy	0.5	0.5	0	1
Technological Proficiency	0.7	0.4	0	1
Resilience	0.6	0.5	0	1
Emotional Stability	0.5	0.5	0	1
Self-Esteem	0.6	0.5	0	1
Optimism	0.5	0.5	0	1
Empathy	0.6	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0.5	0.5	0	1
Conscientiousness	0.5	0.5	0	1
Openness	0.4	0.5	0	1
Agreeableness	0.6	0.5	0	1
Neuroticism	0.3	0.4	0	1
Extraversion	0			

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Ala	Arg	Gln	Glu	Leu	Ala	Met	Lys	Ser	Leu	Lys	Ser	Arg	Leu	Arg	Arg
			20					25					30		
Gln	Asp	Val	Pro	Gly	Pro	Ala	Ser	Ser	Gly	Ala	Ala	Ala	Ala	Ser	Ala
		35					40					45			
His	Ala	Ala	Asp	Trp	Asn	Lys	Tyr	Asp	Asp	Arg	Leu	Met	Lys	Ala	Ala
	50					55				60					
Glu	Arg	Gly	Asp	Val	Glu	Lys	Val	Thr	Ser	Ile	Leu	Ala	Lys	Lys	Gly
65					70					75					80
Val	Asn	Pro	Gly	Lys	Leu	Asp	Val	Glu	Gly	Arg	Ser	Val	Phe	His	Val
				85					90					95	
Val	Thr	Ser	Lys	Gly	Asn	Leu	Glu	Cys	Leu	Asn	Ala	Ile	Leu	Ile	His
			100					105					110		
Gly	Val	Asp	Ile	Thr	Thr	Ser	Asp	Thr	Ala	Gly	Arg	Asn	Ala	Leu	His
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<212> PRT
<213> Homo sapiens
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ctttctcaaa	agtcgtctct	attaatatca	gctcagtgc	gtttactatg	aatagtttat	240	
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 aaaattaaga tgatgtttac tactagtcac cctacaacaa ttt 403

<210> 212
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 212
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 gtttctgacg tagaagagct taccctcca gagcatcttt ctgatcttcc accattttca 180
 aggtgtttta taggaataat aataaagtct tcgaatgtgg tcaggtcatt tttggatgaa 240
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 catattatcc tggttattaa tgcaggtaaa cataaaagct caaaa 345

<210> 213
 <211> 318
 <212> DNA
 <213> Homo sapiens

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 cctggactat tgaaatcaag cttattggat taagtगतat ttctatagcg attgaaaggg 180
 caatagttaa agtaatgagc atgatgagag tttctgttaa tcatgtatta aaactgattt 240
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 ctagttaagg attgtttt 318

<210> 214
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 214
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 <211> 280
 <212> DNA
 <213> Homo sapiens

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 tgattcgaat tttggtaact tttgaaagtt attttcccc tttagtcatg gatttctatt 180
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<210> 216

<211> 210

<212> DNA

<213> Homo sapiens

<400> 216

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agtgaagtgt gtaggattaa ttcgaaaata ggcagaattc cattcctccc aaggtggcaa 180
aaattagcta tactgatgta attgtcattt 210

<210> 217

<211> 398

<212> DNA

<213> Homo sapiens

<400> 217

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aagccacatc atttaatttt gtatctaaaa ttattttggg gtcttatatg ttatttctca 180
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<210> 218

<211> 487

<212> DNA

<213> Homo sapiens

<400> 218

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tggtctgcag acgtgccggg ccatcacgtc cagctcaatc accgcacagc ccagtttcag 180
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gcctcaagca gagacaaagg aggaagttgc ctatgtttgta tggtttacag gccataaatg 360
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<210> 219

<211> 390

<212> DNA

<213> Homo sapiens

<400> 219

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aaacaaaaca aggacctcag ttcatctctg tctagggtcag cacctaacaa tgtggatcac 180
actcatggga aagtgttttg aggtagttaa aacctttgga agtttgggtt ttaaacttcc 240
ctctgtggaa gatattcaaa agccacaagt ggtgcaaatg tttatgggtt ttatttttca 300

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<210> 220
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

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 tcgctagaaa aaaaaaaaca cttggcatac aaaatattta agtgaaggag aagtctaacg 180
 ctgaactnnn aatgaaggga aattgtttat gtgttatgaa catccaagtc tttcttcttt 240
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<210> 221
 <211> 234
 <212> DNA
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 ttttaagaatg gattgtatga cctatagtga cagatgacat cactaatact gaaagcttct 180
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 <211> 186
 <212> DNA
 <213> Homo sapiens

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 ccctgg 186

<210> 223
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 223
 ccataagcag ataagtagca gttcaactgg atgtctctct tctccaaatg ctacagtaca 60
 aagccctaag catgagtgga aaatcgttgc ttcagaaaag acttcaaata acacttactt 120
 gtgcctgggt gtgctggatg gtatatctct tgtcattttt cttcatggga gaaacagccc 180
 acagagctca ccaacaagta ctccaaaact aagtaagagt ttaagctttg agatgcaaca 240
 agatgagcta atcgaaaagc ccatgtctcc tatgcagtac gcacgatctg gtctgggaac 300

agcagagatg aatggcaaac tcatagctgc aggtggctat aacagagagg aatgtcttcg 360
 aacagtcgaa tgctataatc cacatacaga tcaactggcc tttcttgctc ccatgagaac 420
 accaagagcc cgatttcaaa tggctgtact catgggccag ctctatgtgg taggtggatc 480
 aaatgg 486

<210> 224
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 224
 aaatgttcac tatgtcattt agtgtccaac tttacggata gggtgactat ctaaataaggc 60
 atttttagtc attaaaaaaa aatctagtca ccaggaggat ccctataact caaaataact 120
 tgtttgtaaa agaaaatttg tttacttacc cattagtaag ttcctgcata ttcattataa 180
 gatggcaaat caaacttttc taggatgaag acagcttatt ttttaagttgt atagtcttag 240
 ttggtttagg gtctcaattt taattaataa aatacttggg ttttatttgc ttgtcctttt 300
 gaattcctgt ttttaataatt tt 322

<210> 225
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 225
 aaatgtagga ataaaatggc tggcatctaa gcactttagt aaaagagggt tttacaaata 60
 actaaggatt gtagagcttc cttctctttt ttttctttt tctttctttt gttttacatg 120
 aactcaactt attcctaaca tttgtctacc tcaaagaaat ttcaagatta tttagataac 180
 atggatatgt gccaaatcct ttgagctgtt aagatgataa tttcctgctt tctctctaca 240
 tcttctcctc ccaactccctc ctttgggtgtg aatattgggt tcccaattaa gacctttttt 300
 ttttttttcc agtttgtttt agcttattat aggttttggg ggaactttgc cattttgtaa 360
 tctttcaaat cattcttcac ccttctctac atcagcttcc tgcctttccc agtgttttac 420
 tgtaaattgt gtagcatatg acaaactctt agctgacttt cctcttccact gatgtcatct 480
 tgagctctt 489

<210> 226
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 226
 caagggccca ccgcagagca cacctatgct atggggagcc ctgctggcag ccccgagagc 60
 catgccatgg cctgcaggag ccaggctcct gtgtggatga agtccctctt cctctgtgcc 120
 ttgatccctt gggggtgctt ttggtcatct cttctgtcct ttccgtgtctc tgaaatagtc 180
 atcaactccc ttgactctct ctgttcaagt cttctcagtc tgcagagtta acttctgtaa 240
 ggagtttaat ctggggttcc aagaaaacaa gtcccttgtt aacatagcac tgactttgca 300
 acaatagaaa actaacaat gagcaacaat ataaagagta gaggtagttc tcattgggtg 360
 taacttcaac ccattctgct tgtgggttaga atttataa 398

<210> 227
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 227

```

ctgctgcata gaaaatatgc taacatacaa cagtcaagtt taagcctgtg catagagaag 60
ataaagcact tatggtaact gcaaattggt aagagtcctt aagggttgta caacctagta 120
tgggtccata agggaaaact gtagtagaaa tgggttaggac aaacaataaa gtagaaacag 180
gggggaaaact tgagaagaga agaaagaagc aagaaaaaaa gactttcaat tgtataaaat 240
tcacaaacca gtaaagtata aagacacccat ggagaaatgg ttaactctgc cccaaacacc 300
caacagcaaa caaaaccaga atgaataagc ctttggcaga caattttaga aatttgaatg 360
ttacatttct caataattca caaacaatat attatatggt atattttatat taaatattgg 420
gaaaccaatg ttgtaaatgt gatgcttata atgcttttagc caatgagagc acaatgatat 480
caatcaagct aaatgaatgc tgggtgttatc acaacagtgc tcattttatga aacaa 535

```

```

<210> 228
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<400> 228
aaacaataaa caccatcaac cttattgact ttattgtccc ttaaattata ttgactgttg 60
tgattccatc aagtttgtag actcttttct ctccctgttt tgcagcaaca aattgcgaag 120
tgcttttggt tgtttgtttt cgtttgggta aagcttattg ccatgctggg gcggctatgg 180
agactgtctg gaaggcttgg aatggtttat tgcttatggt aaaatttgcc tgatttctta 240
caggcagcgt ttggaaacct tttattatat agttgtttac atacttataa gtctatcatt 300
t 301

```

```

<210> 229
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 229
aaagttgctt tgctggaagt ttttataagg aatctcagat taaaccttta gaagtttaat 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
attacctatg ggtttatatc ctcaaatacg acattctagt caaagtcctg gtaataaac 180
caatgttttc aaatgtattc tgtcatacaa agagcagatt tttattgaac ttgtgcaata 240
actatattac catacaatat aaatattcat gaatagtctt ccaagtctgg agcgaccaca 300
tagggagaaa atgcaaatgt ctcaattttt gttcacaaaa gtatatatta tcaaattgct 360
gtaagctgtg gatagcttaa aagaaaaaaa gtttcctgaa atctgggaaa caagacattt 420

```

```

<210> 230
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 230
gtgaagtcct aaagcttgca ttccaccagc ttctacaata gccggcttat tactagagca 60
gacagatagc accttcagca ctctgcttgt ggtccacagt agtttttcgt aagtatagg 120
cctcattata ttactaaag cttgggggtcc accactagcc agtatgatga gcttgctttc 180
ttggttgcca taagctaaaa tttgaaggca gtctgtcgta atagccaaga atttaacatt 240
tgttttgttg agcaaggcaa ccattttctg cagcccacca gctaaacgca ctgccatttt 300
agctccttct tgatgtaata aaagggttgg gagagttgta atggcataaa acaacacaga 360
atccactggg gaaccaagca ttttcaccag ggcaggaatg cctccagact taaagatgg 419

```

```

<210> 231
<211> 389

```

<213> Homo sapiens

ttgttcagag	ccttggtgga	tcttgcaatc	cagtgcccta	caaaggctag	aacactacag	60
gggatgaatt	cttcaaatag	gagccgatgg	atctgtggtc	ctttgggact	catcaaagcc	120
ttggtttagc	attttgtcag	ttttatcttc	agaaattctc	tgcgattaag	aagataattt	180
attaaaggtg	gtccttccta	cctctgtggt	gtgtgtcgcg	cacacagctt	agaagtgccta	240
taaaaaagga	aagagctcca	aattgaatca	cctttataat	ttaccattt	ctataacaaca	300
ggcagtgga	gcagtttcag	agaacttttt	gcattgcttat	ggttgatcag	ttaaaaaaga	360
atgttacagt	aacaaataaa	gtgcagt				389

<211> 397

<213> Homo sapiens

ccaggataat	atacacaggt	ttgcagctaa	aactgtgcac	agtgggtcat	tgatgctagt	60
cacagtggaa	ctgaagggaag	gctctacagc	ccagcttatac	ataaacactg	agaaaactgt	120
gattggctct	gttctgctgc	gggaactgaa	gcctgtcctg	tctcaggggt	aacctgctta	180
catctggact	ttagaatctg	gcacacaaca	aaagtgcctg	gcattccacta	ctgctgcctt	240
tcatttataa	taatagccct	tccatctggc	agtgggggaa	gaatacactc	ttgacattct	300
tgtctcctgc	tttagaatgc	tagtgtgtat	ctatcatgta	tgcaataactt	tccccctttt	360
tgctttgcta	accaaaagac	atatatttta	ctgtcag			397

<211> 508

<213> Homo sapiens

cgaggagtcg	cttaagtgcg	aggacctcaa	agtgggacaa	tatatattgt	aagatccaaa	60
aataaatgac	gctacgcaag	aaccagttaa	ctgtacaaac	tacacagctc	atgtttcctg	120
ttttccagca	cccaacataa	cttgaagga	ttccagtggc	aatgaaacac	attttactgg	180
gaacgaagtt	ggttttttca	agcccatatc	ttgccgaaat	gtaaatggct	attcctacaa	240
agtggcagtc	gcattgtctc	tttttcttgg	atggttgga	gcagatcgat	tttaccttgg	300
ataccctgct	ttgggtttgt	taaagttttg	cactgtaggg	ttttgtggaa	ttgggagcct	360
aattgatttc	attcttattt	caatgcagat	tgttggacct	tcagatggaa	gtagttagcat	420
tatagattac	tatggaacca	gacttacaag	actgagtatt	actaatgaaa	catttagaaa	480
aacgcaatta	tatccataaa	tatttttt				508

<211> 358

<213> Homo sapiens

aaatgttggt	attcaaaacc	aaagatataa	ccgaaaggaa	aaacagatga	gacataaaat	60
gatttgcaag	atgggaaata	tagtagtita	tgaatgtaa	ttaaattcca	gttataatag	120
tggctacaca	ctctcactac	acacacagac	cccacagtcc	tatatgccac	aaacacattt	180
ccataacttg	aaaatgagta	ttttgcatat	ctcagttcag	gatatgtttt	ttacaagtta	240
atcttaagt	cataaagcaa	gaagctattc	atagtacaag	attttatttg	ctaagcttta	300
caaatataac	tctaaaaaat	tattacaatg	atactgaaag	atattttatt	ggcctttt	358

<210> 235
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 235
 gaagaaagtt agatttacgc cgatgaatat gatagtgaat tggatttttg cgtagggttg 60
 gtctagggtg tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa 120
 tacagctcct attgatagga catagtggaa gtgagctaca acgtagtacg tgtcgtgtag 180
 tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccaccta cggtgaaaag 240
 aaagatgaat cctaggggtc agagcactgc agcagatcat ttcattattgc ttccgtggag 300
 tgtggcaggt cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcgga 360
 ggtgaaatat gtcgtgtgt ctacgtctat tcctactgta aatatatggt gtgctcacac 420
 gataaacct aggaagccaa ttgatatcat agctcagacc atacctatgt atccaaatgg 480
 tt 482

<210> 236
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 236
 cctcttcatt gttcacatgt cacaggagga ggctctgagc aaaggccact ggcaagttag 60
 ggcaacacca agaaggctct gcggagagac tccctgtggg ttggggcctg gcaggaacgg 120
 tgctgtgga ctgtttatgg tctgtccag 149

<210> 237
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 237
 gaagctaaat ccaaagaaat atgaagggtg ccgtgaatta agtgatttta ttagctatct 60
 acaaagagaa gctacaaacc cccctgtaat tcaagaagaa aaacccaaga agaagaagaa 120
 ggcacaggag gatctctaaa gcagtagcca aacaccactt tgtaaaagga ctcttccatc 180
 agagatggga aaaccattgg ggaggactag gaccatattg ggaattatta cctctcaggg 240
 ccgagaggac agaattgata taatctgaat cctgttaaat tttctctaaa ctgtttctta 300
 gctgcactgt ttatggaaat accaggacca gtttatgttt gtggtttttg gaaaaattat 360
 ttgtgttggg ggaaatgttg tgggggtggg g 391

<210> 238
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 238
 aaaaaacaaa acaatgtaag taaaggatat ttctgaatct taaaattcat cccatgtgtg 60
 atcataaact cataaaaaata attttaagat gccggaaaag gatactttga tttaaataaaa 120
 aactcatggt atatgtaaaa actgtcaaga ttaaaattta atagtttcat ttattttgta 180
 ttttatttgt aagaaatagt gatgaacaaa gatccttttt catactgata cctggttgta 240
 tattatttga tgcaacagtt ttctgaaatg atatttcaaa ttgcatcaag aaattaaaaa 300
 catctatctg agtagtcaaa atacaagtaa aggagagcaa ataaacaaca tttggaaaaa 360
 aaaaaaaaaa aaaa 374

<210> 239
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 239
 aaagatgtct ttgaccgcat atgtactgga aatttcaaac gtggatcttc ccaggttgta 60
 gtcttttgtgt tatgatcaat gaagaagggc cggccgtttg gcgctatcct catttcccag 120
 ccgggtggca agaagctctg tgtgactttg tgttgtggtt tgggggagtt gtaaggtgat 180
 ggctgtgggg actgtgggtt 200

<210> 240
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 67, 71, 76, 99, 224
 <223> n = A,T,C or G

<400> 240
 ctggtaaact gtccaaaaca aggttccaaa taacacctct tactgattta ccctacccat 60
 acatatncca natagntttt gatcaaaaac atgaaatana tccacctgct tattttaagc 120
 atattaaaaa ggaaactaat tggaccattt tctatttgtc tattttatac aaaaaggcta 180
 cacaattgat acactctatt cagataacaa tcaattagag tgantatgaa ttactggcga 240
 caccatcact caattcttaa aaattagaaa ttgctgtagc agtattcact ataacttaac 300
 actaccgaga gact 314

<210> 241
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 302, 316, 328, 329, 333, 340, 343, 354, 355, 362
 <223> n = A,T,C or G

<400> 241
 ccaagtcctt ggagttatag gatattcatt acttccctctc attgtaatag ccctgtact 60
 tttggtggtt ggatcatttg aagtgggtgc tacacttata aaactgtttg gtgtgttttg 120
 ggctgcctac agtgcctgct cattgttagt ggggtgaagaa ttcaagacca aaaagcctct 180
 tctgatttat ccaatctttt tattatacat ttatcttttg tctgtatata ctgggtgtgtg 240
 atccaagtta tacatgaata gaaaaagatg gtgttaaatt tgtgtgtagg ctgggaattc 300
 tngctaaagg aatggnaaaa aacctgtntt tgnaaaattn acntgtccca aagnnaagga 360
 anctaaacgc ttttt 375

<210> 242
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 242

```

aaaggcattc tctgatttac atgagaattg agaaactgag atgtatgatt tgtctgttag 60
tcaatttcac accctttcat tctcataagc cccaaatttt gctcagttaa ggagcttgct 120
ttaggccac ctatgtaagt ctgttatact agctaattgtg cccatttgaa tagttcaagg 180
gtcagctaatt gctctgagct tcatggctcc agtataaaga acaaatttaa caaaattaag 240
ctgttactgt agccgagtta cccttctgct ccacacatat gtagtgggat cttgcaggat 300
ttccatagtg ccaattatca aaggccttga ctacttagca ttgctgtatt acagatgtgc 360
aaactgaggc actgaaaagt caaattt 387

```

<210> 243

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 30, 344, 510

<223> n = A,T,C or G

<400> 243

```

aaacccaaaag gacgaagaaa aaacactttt aaaaaaaaaa aaaaaaaaga aaaacccaaac 60
catattttgc cacatgtgag agtacgggtca agcagtatatt acaaaaagggt taacgggaaca 120
acactctgac acatgctctg agaatactgg gactgctgtt tcaaaaaaaa aggttcaaac 180
ttattgtcac agcatcatca caaaatagag gatcaccatt ggtttgcttg gcttttcttt 240
ttttttttcc cccaagttag gacctaacctc caaataatac aatagaatat gcaaattatc 300
ttcacatcaa gagtacccca agaaaaacga aatccatggc acanacactg tacaagggtg 360
cagggcaggg ctctgagggg cccaaacccc attttgccaa ctcgattttc tagcattgaa 420
gggagcaagg ggtcaggcat atgatggaga tgatactgaa atgatttatc caaaatccat 480
gcaaatacaag ttctttggat agaggtgaan aacttggaca tggctgtttc aggcag 536

```

<210> 244

<211> 397

<212> DNA

<213> Homo sapiens

<400> 244

```

ccaggataat atacacaggt ttgcagctaa aactgtgcac agtgggtcat tgatgctagt 60
cacagtggaa ctgaagggaag gctctacagc ccagcttatac ataaacactg agaaaactgt 120
gattggctct gttctgctgc gggaaactgaa gcctgtcctg tctcaggggt aacctgctta 180
catctggact ttagaatctg gcacacaaca aaagtgcctg gcatccacta ctgctgcctt 240
tcatttataa taatagccct tccatctggc agtgggggaa gaatacactc ttgacattct 300
tgtctcctgc tttagaatgc tagtgtgtat ctatcatgta tgcaataactt tccccctttt 360
tgctttgcta accaaagagc atatatttta ctgtcag 397

```

<210> 245

<211> 508

<212> DNA

<213> Homo sapiens

<400> 245

```

cgaggagtgc cttaagtgcg aggacctcaa agtgggacaa tatatttgta aagatccaaa 60
aataaatgac gctacgcaag aaccagttaa ctgtacaaac tacacagctc atgtttcctg 120
ttttccagca cccaacataa cttgtaagga ttccagtggc aatgaaacac attttactgg 180
gaacgaagtt ggttttttca agcccatatc ttgccgaaat gtaaattggct attcctacaa 240

```

```

agtggcagtc gcattgtctc tttttcttgg atgggttggga gcagatcgat tttaccttgg 300
ataccctgct ttgggtttgt taaagttttg cactgtaggg ttttgtggaa ttgggagcct 360
aattgatttc attcttattt caatgcagat tgttggacct tcagatggaa gtagttacat 420
tatagattac tatggaacca gacttacaag actgagtatt actaatgaaa catttagaaa 480
aacgcaatta tatccataaa tattttttt 508

```

```

<210> 246
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<400> 246
aaatgtttgt attcaaaacc aaagatataa ccgaaaggaa aaacagatga gacataaaat 60
gatttgcaag atgggaaata tagtagttta tgaatgtaaa ttaaattcca gttataatag 120
tggtacaca ctctcactac acacacagac cccacagtcc tatatgccac aaacacattt 180
ccataacttg aaaatgagta ttttgcataat ctacagttcag gatatgtttt ttacaagtta 240
atcctaaagt cataaagcaa gaagctattc atagtacaag attttatttg ctaagcttta 300
caaattaaac tctaaaaaat tattacaatg atactgaaag atattttatt ggcctttt 358

```

```

<210> 247
<211> 673
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 605, 618, 635, 644, 651, 660, 668
<223> n = A,T,C or G

```

```

<400> 247
gaagaaagtt agatttacgc cgatgaatat gatagtgaaa tggatttttg cgtagggtttg 60
gtctagggtg tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa 120
tacagtcctt attgatagga catagtggaa gtgagctaca acgtagtacg tgtcgtgtag 180
tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccaccta cggtgaaaag 240
aaagatgaat cctagggctc agagcactgc agcagatcat ttcattattgc ttccgtggag 300
tgtggcgagt cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcgga 360
ggtgaaatat gtcgtgtgtg ctacgtctat tctactgta aatatatggt gtgctcacac 420
gataaacctt aggaagccaa ttgatatcat agctcagacc atacctatgt atccaaatgg 480
ttcttttttt ccggagtagt aagttacaat atgggagatt attccgaagc ctggtaggat 540
aagaatataa acttcagggg gaccgaaaaa tcagaatagg tgttgggtata gaatgggggtc 600
tctnctccg cggggtcnaa gaagggtggtg ttgangttgc cggnctgtta ntagtatagn 660
gatgccanca gct 673

```

```

<210> 248
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 248
cctcttcatt gttcacatgt cacaggagga ggctctgagc aaaggccact ggcaagtttag 60
ggcaacacca agaaggctct gcggagagac tccctgtggg ttggggcctg gcaggaacgg 120
tgccgtgtga ctgtttatgg tctgtccag 149

```

```

<210> 249

```

<211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 450
 <223> n = A,T,C or G

<400> 249
 gaagctaaat ccaaagaaat atgaagggtgg ccgtgaatta agtgatttta ttagctatct 60
 acaaagagaa gctacaaacc cccctgtaat tcaagaagaa aaacccaaga agaagaagaa 120
 ggcacaggag gatctctaaa gcagtagcca aacaccactt tgtaaaagga ctcttccatc 180
 agagatggga aaaccatttg ggaggactag gacccatatg ggaattatta cctctcaggg 240
 ccgagaggac agaattgata taatctgaat cctgttaaat tttctctaaa ctgtttctta 300
 gctgcactgt ttatggaaat accaggacca gtttatgttt gtggtttttg gaaaaattat 360
 ttgtgttggg ggaaatgttg tgggggtggg gttgagtttg gggatatttc taattttttt 420
 tgtacatttg gaacagtgc aataaatgan accccttt 458

<210> 250
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 250
 aaaaaacaaa acaatgtaag taaaggatat ttctgaatct taaaattcat cccatgtgtg 60
 atcataaact cataaaaaata attttaagat gccggaaaag gatactttga ttaaataaaa 120
 acactcatgg atatgtaaaa actgtcaaga ttaaaattta atagtttcat ttatttgta 180
 ttttatttgt aagaaatagt gatgaacaaa gatccttttt catactgata cctggttgta 240
 tattatttga tgcaacagtt ttctgaaatg atatttcaaa ttgcatcaag aaattaaaaat 300
 catctatctg agtagtcaaa atacaagtaa aggagagcaa ataaacaaca ttggaaaaaa 360
 aaaaaaaaaa aaaa 374

<210> 251
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 251
 aaagatcttc tctaacaagc tatgggaatt tggcttcata ctctttcttt gcaacagcag 60
 tgttctgggt gataattttg aattgatacc tgttcctttt tctgggtttt gttggctttt 120
 tgaaaaattg tctttcctta tcattgggtg gaggccttgg agcaaagtaa catttttttg 180
 aaaagaggac agaaaaattg aactacagct tgagaacgta ttcttttttt cctactttgt 240
 tattgcaaat tgaggaatca cttttaactg ttttaggtgt gtgtgtccag agtgagcaag 300
 gattatgttt ttggattgtc aaagaggatg cttagtctta aaataaaaat aaattt 356

<210> 252
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 252
 ctggtaaact gtccaaaaca aggttccaaa taacacctct tactgattta ccctacccat 60
 acatatccca aatagttttt gatcaaaaac atgaaataga tccacctgct tatttttaagc 120

```

atattaaaaa ggaaactaat tggaccattt tctatttgtc tattttatac aaaaaggcta 180
cacaattggt acacttttatt cagattacaa ttaattagag tgattatgaa ttagtggttct 240
acaccattac tcaattctta aaaattagaa attgctgtag cagtattcac tataacttaa 300
cactacgaga gacttaaaaa acagttactg caaaaaaaaa aaagagctac ttcaaagcaa 360
gcaaagtcag taccattaca gatattctta aaaaaaaaaa aaaatttaac aagcaaggct 420
agggtttgat aaattccatc ttgtgatcca ttcttgtgca ttcttcactt cttgagtcac 480
tccc 484

```

```

<210> 253
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 253
aaaaagcgct tagacttccc tttccatctg gaacatgtaa aattttgcag caacagggtt 60
tctccaattc cttcagcaag aattcccagc ctacacacaa atttaacacc atctttttct 120
attcatgtat aacttggatc acacaccagt atataacgac aaaagataaa tgtataataa 180
aaagattgga taaatcagaa gaggtttttt ggtcttgaat tcttcaccca ctaacaatga 240
agcagcactg taggcagccc aaaacacacc aaacagtttt ataagtgtag acaccacttc 300
aaatgatcca accaccaaaa gtacaggggc tattacaatg agaggaagta atgaatatcc 360
tataactcca aggacttgg 379

```

```

<210> 254
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 66
<223> n = A,T,C or G

```

```

<400> 254
aaatttgact tttcagtgcc tcagtttgca catctgtaat acagcaatgc taagtagtca 60
aggcconttga taattggcac tatggaaatc ctgcaagatc ccactacata tgtgtggagc 120
agaagggtaa ctcggtaca gtaacagctt aattttgtta aatttggttct ttatactgga 180
gccatgaagc tcagagcatt agctgaccct tgaactattc aaatgggcac attagctagt 240
ataacagact tacataggtg ggccataaagc aagctcctta actgagcaaa atttggggct 300
tatgagaatg aaagggtgtg aaattgacta acagacaaat catacatctc agtttctcaa 360
ttctcatgta aatcagagaa tgccttt 387

```

```

<210> 255
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 30
<223> n = A,T,C or G

```

```

<400> 255
aaatgtcttg tttccagat ttcaggaaan tttttttctt ttaagctatc cacagcttac 60
agcacctttg ataaaatata cttttgtgaa caaaaattga gacatttaca ttttctccct 120

```

atgtggtcgc tccagacttg ggaaactatt catgaatatt tatattgtat ggtaatatag 180
 ttattgcaca agttcaataa aaatctgctc tttgtatgac agaat 225

<210> 256
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 445, 518
 <223> n = A,T,C or G

<400> 256
 ccttgcttaa agcccagaag tggtttaggc ntttggaaaa tctggttcac atcataaaga 60
 acttgatttg aaatgttttc tatagaaaca agtgctaagt gtaccgtatt atacttgatg 120
 ttggtcattt ctcagtctca tttctcagtt ctattatttt agaacctagt cagttcttta 180
 agattataac tggctctaca ttaaaataat gcttctcgat gtcagatttt acctgtttgc 240
 tgcagagaac atctctgctt aatttaccac agccagacct tcagttcaac atgcttcctt 300
 agcttttcat agttgtctga cttttccatg aaaacaaagg aaccaacttt gttttaacca 360
 aactttgttt gggttacagtt ttcaggggag cgtttcttcc atgacacaca gcaacatccc 420
 aaagaaataa acaagtgtga caaanaaaaa aacaaaccta aatgctactg ttccaaagag 480
 caacttgatg gtttttttta atactgagtg caaaaggncac cccaaattcc tatgatgaaa 540
 tttt 544

<210> 257
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 257
 aaatgtcttg tttccagat ttcaggaaac tttttttctt ttaagctatc cacagcttac 60
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatattt atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtatgaca gaatacattt gaaaacattg 240
 gttatatatt caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacag gtactacaaa caaagtctga agtcagcctt gggttggtt octagtgtca 360
 attaaacttc taaaagttta atctgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 258
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 258
 aaacaaaatg ctaaacctaa aaacattggt ctgtcagttc ccaaattaaa tctacttaga 60
 acaaaaaaca aaattttatag ctcggtcaca tactacttaa ataatttgt tcaggcatct 120
 ctaaaatcct ccatgttttc aagtatggaa atagaactca aatattccac aatacagtac 180
 taaacagatg gagtatttag gaaagacttt gttgtcatat ggcacaatat taatattttg 240
 ttgcttcaat acgttttgaa ataaatatca gatttttgtt ttttttctt aaaagacca 300
 aattataatc tacattaaga taattctgac tgtggttaag acttaagagt gtaaaataca 360
 acatcaatat tttatcaca aagtaaagct ggtaacaaat tataaaagga gccagtactc 420
 tactgagaca ggctcggaga tttaaagctca tcatgataga aatagtcac atggagctgt 480

TopHat 2.0.10

```
<400> 261
gtggcagggc ccagccccga accagacaag ggacccctca aggagcttca ttctagcatg 60
agaaaaattga gaagtaaacc agaaagttac agaatgtctg aaggggacag tgtgggagaa 120
tccgtccatg ggaaaccttc ggtgggtgtac agatttttca caagacttgg acagatttat 180
cagtcttggc tagacaagtc cacaccctac acggctgtgc gatgggtcgt gacactgggc 240
ctgagctttg tctacatgat tcgagtttac ctgctgcagg gttggtacat tgtgacctat 300
```

```
gccttgggga tctaccatct aaatcttttc atagcttttc tttctcccaa agtggatcct 360
tccttaatgg aagactcaga tgacggtcct tcgctaccca ccaaacagaa cgaggaattc 420
cgcccccttca ttcgaaggct cccagagttt 450
```

```
<210> 262
<211> 239
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 32
<223> n = A,T,C or G
```

```
<400> 262
taactttgat gacaaaaatct aaaatttaaag anttagtctt aaaagcctat agtgacttgt 60
ttactttgcat aaataatatt ttcacttagt acaggctatt aatataagta atgagaattt 120
aagtattaac tcaaaaaaag atagaggctc caaacttttc taagaaatta atgcattttc 180
aaagtaataa tataatcaat ctgtaagtca aaagtaattt catattcatt gccaaaattt 239
```

```
<210> 263
<211> 376
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 27, 32, 65, 362
<223> n = A,T,C or G
```

```
<400> 263
aaaaaaaaaa aaaaaaaatt ccttgtngtt tnttagagga aaaaaagaaa aaccccaact 60
tttancactg atactacata ttgctctgtt aaagaatttt ctctgccaaa aaaaagaaaa 120
aacaaaaaaa cgcttaaagc tggagtttga cattctgctt tcagatgctg tctttttatt 180
agtgagtgat gatggtttgc taataatcaa taggtaataa ttttttgtaa tcccatcaag 240
tggtccata tgtttctgct ctctcgtgac tgtgttaatg ttttaactgt gtaccttaaa 300
gocgaaatca gtaactatgc atactgtaac caaggtattg ggcttacaga gttgtttgtt 360
gnataaagaa aatttt 376
```

```
<210> 264
<211> 207
<212> DNA
<213> Homo sapiens
```

```
<400> 264
aaattagcat tccacaaata tacaggtaat ttaataatta ttgtgcatga atacatacac 60
aatgcttata tatacaaatt ccagttttgt ttcatgtgct ggcaagggat ttgtatacaa 120
tcataagctg tgttcatatt ggtcccattg aatattcaca atacaaaagc acaaaaagaac 180
cattgattta caaaaggaaa tctattt 207
```

```
<210> 265
<211> 388
<212> DNA
<213> Homo sapiens
```


<220>
 <221> misc_feature
 <222> 1, 31, 65, 68
 <223> n = A,T,C or G

<400> 265
 naactgcact ttatttggtta ctgtaacatt nttttttaac tgatcaacca taagcatgca 60
 aaagnccnct gaaactgctt ccactgcctg ttgtatagaa atgggtaaat tataaaggtg 120
 attcaatttg gagtccttc cttttttata gcacttctaa gctgtgtgcg cgacacacac 180
 cacagaggta ggaaggacca cttttaataa attatcttct taatcgaga gaatttctga 240
 agataaaact gacaaaatgc taaaccaagg ctttgatgag tcccaaagga ccacagatcc 300
 atcggtcct atttgaagaa ttcatccct gtagtggtct agcctttgta gggcactgga 360
 ttacaagatc caccagggt ctgaacaa 388

<210> 266
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32
 <223> n = A,T,C or G

<400> 266
 aaatacagag tcaaaagatg atttataaaa tntaaaacat tttctgcttg gccgtatttg 60
 aagacaagct gaatacatat ctatgttctg aataagtcca ctatggatat atataggaag 120
 agatatacat atatccatcc acagatacac acacacatat atatttctgc atgtatatat 180
 acataattct ttctatagtt acaggaaata cttcttctat aattctgatt ttgactccca 240
 tcctccacca ttactcacc cactcattac ctaaatcttg gctttctttc ctatattgta 300
 aataatccat ccaaacttct agccagtact gtcaggaggg ttcttgctcg agtgagctgt 360
 taatactatt ttccactgac aacttctgca catcgaggac acagtgtatc tgaagactcc 420
 gctgtatact tccaacaacg ggggcatttt tctttcgtag tcggcatgac aattacttta 480
 taggaagact cttcacgaat atcaccacct tctaagttga tgaggaattt ccctttaagc 540
 tcgattacat ctgcagtcac ctctcgtggt tcctgaccag taaagttgac tcagaagcca 600
 tcattaattc attcaa 616

<210> 267
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 267
 ccattatgta tgtattttct tgaaaaatac ttatttcagc tacttatttt taatagttac 60
 ttattcttgt tgtattgtca tttgagtttt gtatatattt ttgatattaa ccccttgta 120
 catgtataat ttgcaaatat tttctccctt tttttagttg tcacattctg ttcatgtat 180
 cagattctgt gcagcagctt ttttaatttg agtgatctga ctgacttggt cttccttttg 240
 tgtcctggga tatttaggtt aaatcaaaaa acttgctgcc cagaccaatg ttatggggct 300
 ttcactctat tttttggtag tagtagttta agagttttag g 341

<210> 268
 <211> 367
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 31, 66

<223> n = A,T,C or G

<400> 268

```
ttgtagattg gaatagcaaa agtgaatgct ntgacaaaaa tttttgccct cctaaataaa 60
gacgtntcct tctagagagc aaatctatca taaaatgtca aaactagaag agaataaaaat 120
gaaaggaaaa aacctagaaa aatatcctaa aatatcaaat gcagtcattt ctaaataataa 180
gccataatta tagctttacc tattgttctt attgttccta tgctgcttct acaatgttac 240
atcaactata cttagcttta ctctcccaaa atcttgggtga tgaagccttc tgagtgtgct 300
ttccaatgtg ccagaaccag aagggcattc caaggcttcc ccacatttcc tccattttacg 360
gagacag                                     367
```

<210> 269

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 33, 62, 65, 68, 70, 264

<223> n = A,T,C or G

<400> 269

```
caaattctctc cctcactaga cgtaagccnt ttntcactc tctcaatctt atgcatcata 60
gnaangcngn tgagggtggat taaaccaaac ccagctacgc aaaatcttag catactcctc 120
aattaccacac ataggatgaa taatagcagt tctaccgtac aaccctaaca taaccattct 180
taatttaact atttatatta tcctaactac taccgcattc ctactactca acttaaaactc 240
cagcaccacg accctactac tatntcgac                                     270
```

<210> 270

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32

<223> n = A,T,C or G

<400> 270

```
ctgaatcatg aataacacta tataatagag tntaaggaac acaagcatta gatgtgatcc 60
ttgccccata cccttagatt atgtcagact aaagctgaca attctgccag gctctgaacc 120
cctagtgtccc ccaacccaaa tcttggagc aaagaatatg ccctgtcata caactttgta 180
caagttgttag taaaacaaag cttaagtttt ctcatctttc tacagcaaatt gggtcagttat 240
ttaataaaca ctaaaatgct cctaagaatc cattttgagt ttgtttacca aacacattgt 300
gcaagaactg actacacaaa aagtttcctt gaaatttggg ccacaaattc acttaagggtt 360
ggaaattt                                     368
```

<210> 271

<211> 313

<210> 274

<211> 125
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 33, 63, 68
 <223> n = A,T,C or G

<400> 274
 cagccctaga cctcaactac ctaaccaacn ttnccttaaaa taaaatcccc actatgcaca 60
 ttnaatcnct ccaacatact cggattctac cctagcatca cacaccgcac aatccccctat 120
 ctagg 125

<210> 275
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 33, 68, 470
 <223> n = A,T,C or G

<400> 275
 aaagctgtgg aaaagcttta ttatagattt ttntacagaa ttaaaaaagt tcaaacaata 60
 ataagccngg aaccacaaat aattaaaagg aaacacagca atcccataaa caagcattct 120
 ggcattctgtt agaaattttc cctcaaatta tgaaatgtag ctctccatgc tttccaatga 180
 ttgttataat acccacaat atctgtgatt tcagtggaa actttaacaa aagttttctt 240
 ttttaaggcat gatcctgatt catTTTTTct tcaatatctc agtcatttca ggaactacct 300
 taaataaatc tgcaactatt ccataatctg ccacttggaa aattggagct tctgggtctt 360
 tattaattgc cacaattgtc ttgctgtctt tcatcccagc taaatgttgg atgggtccag 420
 atattccaac agcaatataa agttctggtg ctactatttt tcccgtctgn ccaacttgca 480
 tgtcattggg aacaaagcca gcatcaacag cagcacggga agcaccaa 528

<210> 276
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30
 <223> n = A,T,C or G

<400> 276
 aaatgtcttg tttcccagat ttccaggaaan tttttttctt ttaagctatc cacagcttac 60
 agaaacctga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatatc atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtatgaca gaatacattt gaaaacattg 240
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacag gtactacaaa caaagtctga agtcagcctt ggtttggctt cctagtgtca 360
 attaaacttc taaaagttta atctgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 277
 <211> 668
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 63, 566
 <223> n = A,T,C or G

<400> 277
 ccagggtggc tctgatatag cagccctggt ntatitttcga tatttcagga agactggcag 60
 atngcaccag accctgaatt cttctagctc ctccaatccc attttatccc atggaaccac 120
 taaaaacaag gtctgctctg ctccctgaagc cctatatgct ggagatggac aactcaatga 180
 aaattttaaag ggaaaaccct caggcctgag gtgtgtgcca ctccagagact tcacctaact 240
 agagacaggc aaactgcaaa ccatggtgag aaattgacga cttcacacta tggacagctt 300
 ttcccaagat gtcaaaacaa gactcctcat catgataagg ctcttaccoc cttttaattt 360
 gtcccttgctt atgcctgcct ctttcgcttg gcaggatgat gctgtcatta gtatttcaca 420
 agaagtagct tcagagggta acttaacaga gtatcagatc tatcttgtca atcccaacgt 480
 ttacataaaa ataagagatc ctttagtgca cccagtgact gacattagca gcatctttaa 540
 cacagccgtg tgtttcaaatg tacagnggtc cttttcagag ttggacttct agactcacct 600
 gttctcactc cctgttttaa ttcaaccacg ccatgcaatg ccaaataata gaaattgctc 660
 cctaccag 668

<210> 278
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 32, 63, 66
 <223> n = A,T,C or G

<400> 278
 aaattggat cgcaggaac cagggggaagn tnctaaactc ctaatctatt ctggatccaa 60
 ttingcnaagt ggggtcccat caagggtcag tggcagtgga tctgggacag atttcactct 120
 cacgatcagc agtctgcaac ccgaagattt tgcaacttac tactgtcaac agagttacat 180
 gtccccgtac acttttgac cc 202

<210> 279
 <211> 694
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 63, 526, 577, 580, 586, 599, 608, 620, 624, 642, 643, 651,
 660, 668, 681, 687, 692, 693
 <223> n = A,T,C or G

<400> 279
 ctgtacttgg acaaaataag ttaattctat ttggttgctc attaaagttt tatgtggcta 60

```

tgnaccact ggagctaaaa attggctttt aactgtttcc aaatcagaac tagcagagga 120
gagaagttaa taaagccaat ggcactccct tcagaggctc aaaatgggta gattttgatg 180
cagattttaac cttagcgagt ttcagtcagt ccatttagat gatcctgtag gttcatacaa 240
atacactgaa ccgttggttt aacttctctt ccttcctcaa agtttatgat aaagagactc 300
atccctgtat tgggagtgcac tgacataagt tcagatctgc tcagagtggc tggtaaggaa 360
cacttaaggt cagtcagaaa ataatacaaac agacttctca tgtaagcacc gtgactcaca 420
actaagacac tggctgctaa tcctggaata ccgctgtctg aattaacttt agagctgtga 480
ttttttccta aaggaaatat ctctgccaaa gaagtttcca gacagntgct tgggagatcc 540
ttggggaaaa ctgggtctttt tgatccggtt ctttcangan taggtngaca aaagaaatnc 600
aaaaaagnct atcccacgcn tttntcacct gggcccagcg gnnctcctcc nggggggggn 660
aaacacangg gactcttccc ngggctngct tnnng 694

```

```

<210> 280
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<400> 280
aaaaaacttc catgcaactt ctggtttatt gtttggcaac tccacatgat aaaaaataa 60
aaacagccca accgagtttc ggaattaagt attcttctag taagtgattc aaacttgtaa 120
tatttgccac aggactgact tatttattta ctagctagaa gctcttaagt tcacttgttt 180
atcagggcat atacagaagg gtttggttaa actcgatgtt aactttacaa ctttctgacc 240
tgggtgcatga attctcaagt actgtatttc actgtgttgg tgtgtctgat ggaaatttcg 300
aggtggtccc acaaaaatat tttatgtagt gtgccttcaa agagaacat ttatttctct 360
tcacttatcg tcccacaaag tcacatttgg tggtggtcag ccaagtcgca tctggtctag 420
ttttactctt gtcccaattt t 441

```

```

<210> 281
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<400> 281
aaatttgtaa ggtctgaaga atctaaaact gttaatttaa cccttaactt gtgcctagaa 60
actacagcac atataaaata tgtaaacacc agcctgttgc tgtacttttc tgcttatttt 120
acagcctcaa atatttctca ttatcttgtc acttagttct tcatgtttct ccttctgact 180
tttaataatg gtaataggaa aacaaaaccc aaagcttttc agaacttcag tgtgagggtt 240
cctattttga caagttaact tgtaataact cagggttttac gatgtataat ttaccttaata 300
gaccaaacta actcatggag atattttgaa ctattattta ggtacaaact ttataaagaa 360
tgtagtatg tcataaaata taacattaca gcttattt 398

```

```

<210> 282
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 31, 65
<223> n = A,T,C or G

```

```

<400> 282
aaaacaatat tctctttttg aaaatagtat naacaggcca tgcatataat gtacagtgta 60
ttacnccaat atgtaaagat tcttcaagggt aacaagggtt tgggttttga aataaacatc 120

```

<210>	286
<211>	485
<212>	DNA

<213> Homo sapiens

<400> 286

```

aaatgtactt gctcagctca actgcatttc agttgtatta tagtccagtt cttatcaaca 60
ttaaacccta tagcaatcat ttcaaatcta ttctgcaaat tgtataagaa taaagttaga 120
attaacaatt ttattttgta caacagtggg attttctgtc atggataatg tgcttgagtc 180
cctataatct atagacatgt gatagcaaaa gaaacaaaca aaagccagga aaacactcat 240
tttcgccttg aatatgtaaa tgggattaat ttgtctctgt gccttatgtg gaaaggaact 300
tctttggttt tccttttttg ttctggtgga agcatgtgca ggagacatat catccaaaca 360
taaaccatta aaatgtttgt ggtttgcttg gctgtaattt tcaaagtagt taattgagga 420
caaagggtaa tgcagaagtg atagcttttg ttgtctgagt cttgttttaa gtggccttga 480
tattt 485

```

<210> 287

<211> 340

<212> DNA

<213> Homo sapiens

<400> 287

```

cctggagtcc aataaccacc ccctcatacc acaccctgtg catacaccag ccaagccttt 60
cctggtctgg gaagggaaga gaaaaaagac gcaggccacc tgggggttct gcagtctttg 120
gtcagtccag ctttctatct tagctgcctt tggcttccgc agtgtaaacc ttgcctgccc 180
ggaggcagga ggcccagctg gacctccgag ggccatgagc aggcagcagc catcttggcc 240
tcaagcttgc ctttcccttg agtccctctc tcccctcggc tctagccaga ggtgtagcct 300
gcagatctag gaagagaaga gctggggagg aggatgaagg 340

```

<210> 288

<211> 290

<212> DNA

<213> Homo sapiens

<400> 288

```

aaacagtctc tctcgggtgt tctccttgtc aaactgttca tcccagtttc ctctgaaata 60
gacagcattc accagaacca gccttgtcaa tggatccact gagcccggag agagcaactc 120
cgcaatttta ctttctgtct ttccagctac ccagggtgtt atgtgttttc tggacttctc 180
tacggcgctg ataaagtcaa gctcctccat ctctgcttgg tagaattttt ggcaggaatc 240
tctaaaagat gagaggaaat cacaagactt ttccccaaag agcctgttgg 290

```

<210> 289

<211> 404

<212> DNA

<213> Homo sapiens

<400> 289

```

ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60
aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120
accagaatct tgcacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180
tgcaagtacc ttcgtctttc ggcaacttgc atatatctgt ttcagtgaga gccaatgggt 240
ctgtgctcac cattagattg atggttgaac tagaagctga ccttgctggc tgtggaggtg 300
ggggctgaga tttctttgta ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360
ggtagcagac cacagccaca tggatatgtc gccacgcgag cagg 404

```

<210> 290

<211> 384


```
<220>  
<221> misc_feature  
<222> 305  
<223> n = A,T,C or G
```

<400> 290

ccaggcgctc	cttgtcggca	tcaaggaggg	tggccttgaa	ctgctcatgg	gctgtgggtca	60
gtccctggat	ctcctcaatg	gtgtgcacaa	tgaagggtgc	ctgcagggtcc	tccatggccc	120
cctccatcca	gttgttgaag	ggtgcagccc	gcttggcata	ctccaagtac	agctgggtcaa	180
tggctcaccg	cagtttctcg	gtccgctcca	gagcttccct	tgcgttctga	gttagggccc	240
ccagattgtc	ccactggtca	cagatctttt	ggcaacgggc	gttgacactg	ggtgagtcac	300
aatantccag	ctcattgagc	tctgtgcga	tggcggcaat	ctgctccaca	cggtcctggg	360
gggcagccag	gccactctcg	aagg				384

```
<210> 291
<211> 278
<212> DNA
<213> Homo sapiens
```

```
<400> 291
aaagtttatt tttactattt ctttatcact ttattgtatc atcaccattg gtttcataat 60
gtaaatacta tatgttgaac aaattaaatg tcaaaatttt ttattaccat agtccatggt 120
aatagttggg ctttcaggtt tttagagatt tttttttagg ttgttaacat tcattgcaaa 180
agtactagat ggtgataaac tctagagttg aatttttaag gattccctaa tatgtatact 240
atctttttat ctgaagataat aaataaacia tgatctttg 278
```

```
<210> 292
<211> 177
<212> DNA
<213> Homo sapiens
```

```
<400> 292
ccttggcccg gtcattcttg tccagtttga taggttcagg aaattcgttg tacagctcca 60
cotccgtttc ctgcttaagt gcattccgtg caatcgctcg gaacgcctgc tccacgttga 120
tggcctcctt ggcactggtc tcaaagtagg gaatgttggt tttgctgtag caccagg    177
```

```
<210> 293
<211> 403
<212> DNA
<213> Homo sapiens
```

```
<400> 293
aaaaagaagg acttaggggtg tcgttttcac atatgacaat gttgcattta tgatgcagtt 60
tcaagtacca aaacgttgaa ttgatgatgc agttttcata tatcgagatg ttcgctcgtg 120
cagtactgtt ggtaaataga caatttatgt ggattttgca tgtaatacac agtgagacac 180
agtaatttta tctaaattac agtgcagttt agttaatcta ttaatactga ctcaagtgtct 240
gcctttaaat ataaatgata tgttgaaaac ttaaggaagc aaatgctaca tatatgcaat 300
ataaaaatagt aatgtgatgc tgatgctgtt aaccaaaggg cagaataaat aagcaaaatg 360
ccaaaagggg tcttaattga aatgaaaatt taattttgtt ttt 403
```

<210> 294

<211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 231, 236, 237, 242, 253, 265, 273, 299
 <223> n = A,T,C or G

<400> 294
 aaagcaatct ggcattggtgt cctgtagtga agcagaggat cataacataa gtaaactctc 60
 tatgggtgga agttggagag aaggacattt tggctttgta catgaaaaga ctctccagat 120
 agaaacagat tctgcccata agtgaaataa aatgctttgt gggggtaatg agtgacttat 180
 agtattcagg cagatgttac ataactgcta attaagtttc cctggattga ntttanncaa 240
 anaattgaaa gtngattttg gtcangtgtc agnaaactac tgcctataaa cccatatent 300
 accca 305

<210> 295
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 304, 315, 356
 <223> n = A,T,C or G

<400> 295
 cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
 caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
 ccactatgat gggaaacatt tcattcccaa aaaaaaaaaa aaaaaaaaaa ttctcttctt 180
 cctgttattg gtagttctga acgttagata ttttttttcc atgggggtcaa aaggtagcta 240
 agtatatgat tgccgagtgg aaaaataggg gacagaaatc aggtattggc agtttttcca 300
 tttncaattg tggnggaatt tttaatataa atgcggagac gttaaagcatt aatgcnagtt 360
 aaaatgtttc agtgaacaag tttcagcggg tcaactt 397

<210> 296
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 296
 ccatactcga tgttgaagtt gtcgtggggc ccgaagacgt tgggtggggat gacagcgggtg 60
 aaggtgcagc cgtactgctg gaagtaggcc ctgttctgca cgtcgatcat cctcttggca 120
 tacgagtacc caaaattgct gttgtgggga ggcccattgt ggatcatggt ctcatctatc 180
 gggtaggtcg tcttgtcagg gaagatacag gtggacaggc aggacaccac cttgcggggc 240
 cccacctcga aggcgagtg caggacgttg tcgttcatgt gcacgttttt cctccagaag 300
 tccaaattgt atttgatatt ccggaacagg cccccacca ttgcagcaag atggatgacg 360
 tgtgtgagtt ggaccttctc aaacagggcg cgggtctgtg ctgtatccgt gagatcggcg 420
 tcttttagagg agacaaacac ccagtcc 447

<210> 297
 <211> 681
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 426, 432, 634, 668

<223> n = A,T,C or G

<400> 297

```

aaataacagc atgtaaaata ttaaaataca agctttcaaa aataaataca taaataagta 60
gaaccctcgt aagaaatagt caaacacatt aagtcctttc cagctgtccc tagaaagctg 120
ctgttctctt ttccattttc agctctggta agggcagggg ccaccctgca ggaagtgtca 180
atgatacgct gataagcttc ttacttctct cctgtcagtt ggtgctcccc ctgtgatgag 240
aaaagggtta ctgttgcagg tgctaaggaa ggctgtctct ctgtcactct gaagttgctt 300
ggagggatgt ccccatgcag actctctccc agccctccac tcagggaagg tctgtctgta 360
cccactgcct tctatagcag aaaacttgca ctccctgaatg cttttttttt ttttcaagaa 420
agaagnggct gnggactcaa ctgatttctt ggtttgaaaa agccaaaaca tattgggtcac 480
tgattgtcac attggggttag aaatgtccat tcatgatctc ccttaagctg cacacaaccc 540
tatgaaataa ctaccattat ctaccctatt ttgctaaagc tcaaagagat taaataatgt 600
tgacagggat cttagccttg aactcactga agnggttact gcaaagttct gctcttcacc 660
aagaaggntt acaggccaaa g                                     681

```

<210> 298

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 68, 72, 169, 182, 262, 263, 264, 269, 275, 335, 343

<223> n = A,T,C or G

<400> 298

```

cctggcttaa gaccagacat ttgaagaagg ctccaggcag ggaaaggaaa ggagaggcca 60
gccccacnct gnccccctcc tgccccacag tctccagcaa cacaaggcgg ccagtggacc 120
gtgaaccatt tatttccaaa ctataaagaa acctgctctc tgagaaaana cactgcccag 180
gngatgaagc tccagccctt ggaggtccaa aaccagtc aaactcagtc cctttagaaa 240
gctgctgtgc cttggaaatg annntcggnt gtcanaagct gggaagtggg gggaagaacc 300
agcccactcc cctctctctg tgcgattcca gcgcncgttg ggnccagatc tgg 353

```

<210> 299

<211> 560

<212> DNA

<213> Homo sapiens

<400> 299

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aaagttcaag gactaacctt atttattttg gaaaggggag gaggaaggaa atgatatgg 60
accagacac tgggctaggc tgcaacttta tctcatTTaa tactcccagc tgtcatgtga 120
gaaagaaagc aggctaggca tgtgaaatca ctttcatgga ttattaatgg atttaagagg 180
gcatcaatca gctcaactca agatttcata atcattttta gtatttagat tgtgcctcaa 240
agttgtagta cctcacaata cctccactgg tttcctgttg taaaaacctt cagtgaagtt 300
gacctattgt ctcttggctc ttgggctgga gtaccgtggg gagggagtaa acactagaag 360
tcttttagta aaaactgctc tagggacacc tgggtgattcc tacacaagtg atgtttatat 420
ttctcataaa gagtcttccc tatcccaagg tcttcatgat gccagtagcc atatatgata 480
aattatgttc agtgataact tagttatcag aaatcagctc agtggtcttc cccgcatga 540

```

ttcacatttg atgagttttt

560

<210> 300

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 120

<223> n = A,T,C or G

<400> 300

aaaaactaca taggggtgtg tgtgtgtgtg tatgtttatt ttatacacac atatttgtat 60
attctaatat attactaagg caattttaat gaattacat gtatataaaa aaatatctgn 120
cacttggcac acaggtttgt atgtatgtgt atatatatat gtatg 165

<210> 301

<211> 438

<212> DNA

<213> Homo sapiens

<400> 301

aaaatatatg tatttaaaaa caaaaagcaa cagtaatcta tgtgtttctg taacaaattg 60
ggatctgtct tggcattaaa ccacatcatg gaccaaagt gccatactaa tgatgagcat 120
ttagcacaat ttgagactga aatttagtac actatgttct aggtcagtct aacagtttgc 180
ctgctgtatt tatagtaacc attttccttt ggactgttca agcaaaaaag gtaactaact 240
gcttcatctc cttttgcgct tatttggaat ttttagttat agtgtttaac tggcatggat 300
taatagagtt ggagttttat ttttaagaaa aattcacaag ctaacttcca ctaatccatt 360
atcctttatt ttattgaaat gtataattaa cttaactgaa gaaaagggtc ttcttgggag 420
tatgttgtca taacattt 438

<210> 302

<211> 172

<212> DNA

<213> Homo sapiens

<400> 302

ccaaaacagg agtcctgggt gatatcatca tgagaccag ctgtgctcct ggatggtttt 60
accacaagtc caattgctat ggttacttca ggaagctgag gaactggtct gatgccgagc 120
tcgagtgtca gtcttacgga aacggagccc acctggcatc tctcctgagt tt 172

<210> 303

<211> 552

<212> DNA

<213> Homo sapiens

<400> 303

ccagcctggt gcaggctgct tcgtageggg cgtcggctgc ggacttcct tcccgggtct 60
ggatcttttc atcctaccag atgagaaagg gaatgagtga atggagtga cccgcaccct 120
gtcactttcc tgagacatga ctgccaggaa gaagagctgc tctggtctcc atcagggctg 180
gcaggacaaa ctgaccagtg agtcagtagg cagagttcac actgaaaaag ggcacaaggg 240
ctgtcccaca atgggaggaa atgggggtctc agaacttcta cttctctgaa aactaagaca 300
caattgggac aaccaccacc cccgtgtgag atttctcacc tcgagacagg acaagatgaa 360

gttcacggct tcttctgggg taaagacctt gaagagccca tcacaggcca acaaaatgaa 420
 cctacaacac cagggagaaa tataaacggg ttttagggcc aaccacaaaa taaaaaataa 480
 aaaaagggcc tggagatgga gataaaataa atatttgtcc aactattcaa aggctaaggt 540
 ttttttttct tt 552

<210> 304
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 304
 cctttgattc ttggtagtac attgcatgta aaatgtttat aagaagctac ttttccttca 60
 tgggaagaaa ttcccacatg agattcataa attccttagac tccgtggctt ctttgggtccg 120
 gaatgcttaa actcatatga gtgttctgga tcccagtgta tccaatcata attcacatta 180
 tcaccttcac gaaccacata ctttgcccac ggtgaaatac gatacaagat ctctccgctt 240
 ttactagtaa taactacctt taatttggat ccatgaggca cgagtacaga tttattctgc 300
 tttgggtgga tatacagctc ccattttcca taatccagtt ttttgtatgg gtacgaaaat 360
 ggattccaac cattaaaatc tccagtaaga aaaactcctt ctgctcccgg ggcccattct 420
 ttgcagtata aaccaccatc agcacatctg tggacgcaa atgattcata gcctctggaa 480
 aacttatcaa taccaccttc attttctcca atgttcttca aaatttggt aaactgctta 540
 tacctgcgct ggaagtccac ggcgtagggc ttcaagtacc ggtcgatctc caggagtctg 600
 g 601

<210> 305
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 305
 aaataacagc atgtaaaata ttaaaatata agctttcaaa aataaataca taaataagta 60
 gaaccctcgt aagaaatagt caaacacatt aagtcctttc cagctgtccc tagaaagctg 120
 ctgttctctt tttcattttc agctctggta agggcagggc ccaccctgca ggaagtgtca 180
 atgatacgct gataagcttc ttacttctct cctgtcagtt ggtgctcccc ctgtgatgag 240
 aaaaggggta ctgttgacag tgctaaggaa ggctgctctt ctgtcactct gaagttgctt 300
 ggagggatgt ccccatgcag actctctccc agccctccac tcaggaaggg tctgtctgta 360
 cccactgcct tctatagcag aaaacttgca ctctgaatg c 401

<210> 306
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 306
 aaactgacta tggattcctt gaaggtctgg cagttgttga tgatggcgat catgtactga 60
 acgtagcagt gagggtgctg ccgattcctc aggtgctctt ctttatacag ctgcgcttca 120
 tctttatata tgaggacaga caggcttcgg tcagacagca ctaagggcaa catggagctg 180
 tttcaaattgc cacgctgacg tcacgcctgg cctgaaattt cacatcacta acatctgacc 240
 ggatgagcct ctaaaaaata aacaatcttt agacgatcca gactaatgga aggacagaga 300
 ggttgattac ttt 313

<210> 307
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 219, 232, 313, 321, 327, 342
 <223> n = A,T,C or G

<400> 307
 aaagatgctg ntaatgaaca ttacggacaa ttcattggtgt ggctagttagg taacacttca 60
 gctgattttt cttatgagat ggaaaaaaaa aatcagccaa gtaagggcac atcttcactt 120
 catTTataag tcagcatcca aggtaaaaga attctctgtt ggacttgaca tcactcccat 180
 cctctgatac tcgcctactc tcttctcaaa gaagttagnt ctttccttcc antgaaatat 240
 tctcataaaa gtcaaatggg ttctctactc tgaaaacctt gctaaaaccc aattccagca 300
 taagtttgtc tgnccaaaac ncaatgnatt gcttcattaa antgcaattc atcccaatga 360
 gcttcc 366

<210> 308
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 486, 529
 <223> n = A,T,C or G

<400> 308
 ccagctatca gctgatcgtc ttctgtctgg acgctcgctc tgcttctgac atcaaaatct 60
 tctgtctcaa agtcagagtc atccaaactc tcaggggtcc ttatcatcag cactgctttc 120
 ctgatgtccc ggatgccatc atataccagg cggaagcat cgataaactc attctcatcc 180
 atgggctggg caggggtccga gctgagggct tccacggctg cttctacttg ctacagtaaaa 240
 cgtggcatga ctgtgttggg gagcagctta gtggcttcca gaaccttctc tgtgtagact 300
 cctggctcat agtcgtccat ctctgaggtg actacgtgaa tgaccggggc tgcccggcct 360
 cgaattgcac cagctgtgcg gccaggccat ccacatcctt ctcttgagga gcaatgacac 420
 atttggtcac atcttccaaa atgtgattct ctgagacagc caagaagtca tcaatggaag 480
 taatgncatc gacagcatct gtgagaacac cgacttggtt ttccattgnt cttt 534

<210> 309
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 309
 catactcctt acactatttc tcatcaccca actaaaaata ttaaacacaa actaccacct 60
 acctccctca ccaaagccca taaaaataaa aaattataac aaaccctgag aacccaaatg 120
 aacgaaaatc tgttcgcttc attcattgcc cccacaatcc tagg 164

<210> 310
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 310
 aaaaatcatt tatcttttcg tgcttcaaca tgatgcaaaa caaaaatcta ctgaataaaa 60
 atagcaagga agggaaatcaa acatttataa gatataattt ttatttttct gaccaaagtg 120

caatgatttt t

131

<210> 311

<211> 626

<212> DNA

<213> Homo sapiens

<400> 311

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cctatgtgcg ccagtttcag gtcacgcaca accagaacct cctcttcgag ctctcctaca 60
agctggaggc aaacagtcag tgagagtggg ggctccagtc agacccgcca gatccttggg 120
cacctggcac tcaagcactt tgcacgatgt ctcaaccaac atctgacatc tttcccgtgg 180
agcaacttcc tgctccacgg gaaagagggtc gatggattta cccctggacc cataagtctg 240
ttcatcctgc tgaagtcccc tccccattgc tcttcaagc caaaactaca ctttgctggt 300
tcctgtcccc tctgagaaa gggatagaaa gtccttctc ctatgtctc ccatcgagat 360
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tctgtcttgc agagtgggat tgtgggaggg attggcagcc ttcttctcca ccacctgtcc 480
agcttctctc tggtcagggc tgggaccccc aggaatatta tgttgccgtg tgtgtgtgtg 540
tgtgtgtgtg tcttctttta gggagcagga gtgcacatctg taattgaggg tagatgttgt 600
gtgtgctggg gaggggtcct tctgtt 626

```

<210> 312

<211> 616

<212> DNA

<213> Homo sapiens

<400> 312

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aaaccaaaga aattaagaaa aaagacttca ttgcttgaat gacgcgaaca gctgtctgag 60
tcacctagac tttaacacca cctggggccc tgggaatgac gctgacgaga gatctgcaca 120
tagtaggcgt gggctccaaa tgtgctcatc agctgacttc acatcctcac aagtcagcct 180
cagatatgac ccaagggata cgtaccatct cttcttgaaa cagcgtgtca aattatatat 240
atgtatgcaa aaaagagtaa tgtactaagc aaaccaagtt tcgtctttt cttctgaatc 300
tggttttaat gtgacctgtc atccccatct ttogaattta tgagctccat cttctctaga 360
ctgttaactt cttgaggaaa acatgctatt ttaccacctt tcaactgctga atccctagcc 420
cttaagcaca gtctctggca cagaataaat acgaaatgaa tgagtgaatg aatggatgga 480
tgggtgaaga gaaaaggcaa tgcacaagat ttacctatca aaatccacca atggctccta 540
aaaatgggtt tgtcagtaga gatgctgaat atattcatat aatacattta tttcaatact 600
attaagaatt ctagtg 616

```

<210> 313

<211> 553

<212> DNA

<213> Homo sapiens

<400> 313

```

aaaaaatggc agcattgtac ttgaatcaga aagcttactg ggatttctc atcgaaagta 60
gagattgcag ctaatcctag taccttttgt tagtaattac ttaaggcaca gtgcaaagtt 120
gaaggactgt tttggtacaa actcaagcca gctacatgta tgcctgcctt ggtatccttg 180
ctagagcaca tgcgggtata ataccgtatt atacacaaca aggccacctt gttgtatctg 240
tggtacaatt aaacatcagt cccagaaagt gaaccctagt catttattat aggtgccac 300
ctctgacttg gaacaaaatg ccaactccatt catgttcatt tttgtcctgg agaggattta 360
tttcctaaaa gattctgaaa gccaaacaaat caatgtagtt cttcatagag aacttaagag 420
taaggctcaa aatggcctca aaatgggctt cttggatgac ttccaacagt gactggcctt 480
ctcaacactg cagatgtctg agcactacca taacctaacg aagtgaggaa ggaggaggca 540
aattggtatt ttt 553

```

<400>	317						
ccttgaatga	gcgtggagag	cgattaggcc	gagcagagga	gaagacagaa	gacctgaaga	60	
acagcgccca	gcagtttgca	gaaactgcgc	acaagcttgc	catgaagcac	aaatgttgag	120	
aaactgccta	tcttggtgac	tcttcttaag	agaaaactgaa	gagtttgttc	agcagttttt	180	
acaagaattc	gggacctccg	cttgcttctt	ttttccaat	atttgacac	ttagagtggg	240	
ttttgttttt	tcttttcaga	tgtaaatgtg	aaagaaaggg	tgttgcattt	ttacatttcc	300	
ctaatagatc	tgctaataaa	tgctacaata	gcacgcgctt	cattttgggt	ttttgcctcc	360	
tcccactgtg	tgatatgtgtg	tatatgtatg	ttttgaatat	gttttcttta	ttaaaaaata	420	
ttttttgtag	tttgaatatg	aaatttgjac	caaataataa	actgcgctga	gtctaaactg	480	
gcaacatgta						490	

<210> 318
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 318
 cctggagtcc aataaccacc cccatcatacc acaccctgtg catacaccag ccaagccttt 60
 cctgggtctg gaaggggaaga gaaaaaagac gcaggccacc tgggggttct gcagtctttg 120
 gtcagtccag ctttctatct tagctgcctt tggcttccgc agtgtaaacc ttgcctgccc 180
 ggaggcagga ggcccagctg gacctccgag ggccatgagc aggcagcagc catcttggcc 240
 tcaagcttgc ctttcccttg agtccctctc tcccctcggc tctagccaga ggtgtagcct 300
 gcagatctag gaagagaaga gctggggagg aggatgaagg 340

<210> 319
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 319
 aaagatgctg ttaatgaaca ttacggacaa ttcattggtg ggctagttag taacacttca 60
 gctgattttt cttatgagat ggaaaaaaa atcagccaag taagggcaca tcttcagttc 120
 atttagaagt cagcatccaa ggtaaaagaa ttctctgttg gacttgacat cactcccatc 180
 ctctgatact cgctactctt cttctcaaag aagttagtct ttccttccag tgaaatatcc 240
 tccataaagt caaatgggtt ctctactctg aaaaccttgc taaaaccagc ttccagcata 300
 agtctgtctg ccacaaactc aatgtattgc ttcattagag tgcaattcat gccaatgagc 360
 ttcacaggca agg 373

<210> 320
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 320
 aaaaacaaaa ttaaattttc atttcaatta agaccctttt tggcattttg cttacttatt 60
 ctgccctttg gttaacagca tcagcatcac attactattt tatattgcat atatgtagca 120
 tttgcttcct taagttttca acatatcatt tatatttaaa ggcagacact gagtcagtat 180
 taatagatta actaaactgc actgtaattt agataaaaatt actgtgtctc actgtgtatt 240
 acatgcaaaa tccacataaa ttgtcattta accaacagta ctgcacgagc gaacatctcg 300
 atatatgaaa actgcatcat caattcaacg ttttggtact tgaaactgca tcataaatgc 360
 aacattgtca tatgtgaaaa cgacacccta agtccttctt tttaaaaatg acattgcgtt 420
 tagcttattg taagagggtg aacttttgta ttttgtaact atctttaagc tcttcagttt 480
 ataattcata taaaatgcct tttgtattt 509

<210> 321
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 321
 ccaaggcccc ttttgcagcc cacggctatg gtgccttctt gactctcagt atcctcgacc 60
 gatactacac accgactatc tcacgtgaga gggcagtgga actccttagg aaatgtctgg 120
 aggagctcca gaaacgcttc atcctgaatc tgccaacctt cagtgttcga atcattgaca 180
 aaaatggcat ccatgacctg gataacattt ctttccccaac acagggtctc taacatcatg 240

```

tcctccctcc cacttgccag ggaacttttt ttgatgggc tcctttattt ttttctactc 300
ttttcaggcg cactcttgat aaatgggttaa ttcagaataa aggtgactat ggatataatt 360
gagccctctg gtccagggtc cagtttacct aatattacct cagaaaggat atggaggggaa 420
gatgatcttt ttgccagggtc tgacttttct tcctgctccg ccctccatta acgctcagta 480
cccttttagca gctgacggcc ccacgttcta ctccatgctt ggcttccttt ccaactagct 540
ctttcatata ttttacttgc tagtatctcc attctctcta aagtagtggt tctttttgcc 600
cttaaactta aattttt 617

```

```

<210> 322
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 322
aaaaagaagg acttaggggtg tcgtttttcac atatgacaat gttgcattta tgatgcagtt 60
tcaagtacca aaacgttgaa ttgatgatgc agttttcata tatcgagatg ttcgctcgtg 120
cagtactggt gggttaaattga caatttatgt ggattttgca tgaatacac agtgagacac 180
agtaatttta tctaaattac agtgcagttt agttaatcta ttaatactga ctcagtgtct 240
gccttttaaat ataaatgata tgttgaaaac ttaaggaagc aaatgctaca tatatgcaat 300
ataaaatagt aatgtgatgc tgatgctggt aaccaaaggg cagaataaat aagcaaaatg 360
ccaaaagggg tcttaattga aatgaaaatt taattttggt ttt 403

```

```

<210> 323
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<400> 323
ccagaattag ggaatcagaa tcaaaccagt gtaaggcagt gctggctgcc attgccctgg 60
cacattgaaa ttgggtggctt cattctagat gtagcttggt cagatgtagc aggaaaatag 120
gaaaacctac catctcagtg agcaccagct gcctcccaaa ggaggggcag ccgtgcttat 180
atttttatgg ttacaatggc acaaaattat tatcaacctt actaaaacat tccttttctc 240
ttttttcctg aattatcatg gagttttcta attctctctt ttggaatgta gatttttt 298

```

```

<210> 324
<211> 78
<212> DNA
<213> Homo sapiens

```

```

<400> 324
ccatgggaag gtttaccagt agaatccttg ctaggttgat gtgggccata cattccttta 60
ataaaccatt gtgtacat 78

```

```

<210> 325
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<400> 325
ccatcatggt caggaactcc gggaagtcaa tgggtccggt cccatctgca tccacctcat 60
tgatcatatc ctgcagctct gcttcagtg gggtctgtcc cagggatctc atcactgtcc 120
ccaactcctt ggtggtgata gtgccatctc catccttgtc aaagagggag aagg 174

```

```

<210> 326

```

<211> 679
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 83, 606
 <223> n = A,T,C or G

<400> 326
 aaaactgaaa tacctcttaa aataatttga tccccagcgt ttgctctttt tgaagtaacc 60
 aacttactct taaaaaggat ggntgccaaag atggaaagtc ttactgggtt ttcatgttaa 120
 cctattcttt ggacataact atgaattttg tataacaatgc acttcatgaa aagttgtggc 180
 tccccagat tgcccacaag tgtgatcttg aagtcctaaa catttgtcca tgtaagcttc 240
 aaaacagcgt taactgagtt attcaagtag cagtacttaa agatacaatt cttgaagcag 300
 tttcaatggg ttctgatcca aataatcagt ttctgaacat tactacttca cataatagag 360
 tccatcttca gtttcttctc actttctctt tcccttttgg gtttctttt tgtggcctga 420
 ggccaccagt tctttgggta ctatcaagat acttccatca tgggtacact ggagagcata 480
 gtggttggga ttgactggcc taccttggtc atctcttaat ctactaaaaa tatcatgata 540
 aaggtcatgc agtttctggt tcattatggt aatagctttg gtacattgtg cttgctctct 600
 cttaanagtt tccttctttg cttgcaagtt acatacatca tcttctaaat tcaaaattat 660
 gtccattttg gcgttttacc 679

<210> 327
 <211> 619
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 137, 490, 493
 <223> n = A,T,C or G

<400> 327
 aaaataagtt actggtaaat ggagttgcat tctatagtca ctttaataat attaacaaaa 60
 tatttataac tggaaacctta atgaaatgta tcatcaaadc aggtaaaagc aacttgtccg 120
 cagttaccaa agcctanata cgcgttagat gcgccttttc cggcctgtgc gtctgctctg 180
 gttcctctca ggcagcaaag ctggggaagg aagctcaggc aggagcctcc ccgacgccac 240
 aacggcacaa gcagcagcta aagcaccgca ctttgctcta ctaacctttt acttaaatga 300
 ggttttgcca aatccacatc tggaaaccgc tcacacccat ttgcaaggat gtttgttctt 360
 tgatgaaact gcattctctac tgcacatgag ggctttcatt gtaggacaag aggagagttc 420
 gtttattttt gtaactgttt tacatgttcc gattagttaa tcggtagctt atgtcatttg 480
 ctatgcctgn agncttctaa tctctcctta ctaaaacatt acttcaaatt tgaattgacc 540
 cttggttata atttatttag ccgggatttg tgtgtcattg tagagcaact ctaattcaag 600
 aatagtgaca acttttaag 619

<210> 328
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 328
 aaatccaaat acaaaagcat agtctctgca agattttggt ctttgaattt cttgatattg 60
 taattgatta ttgataactg tcatcatgaa attatctctc aataataaga taaataaact 120

agcatatgaa tc

132

<210> 329

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 801, 840, 841, 849

<223> n = A,T,C or G

<400> 329

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ccttgaggta actattgcaa aatatacagt gtaagttcag tctgatggaa accccagatt 60
catcaaggat acaaatctac agtagcccaa tggcggtttc atagtgtata atttattatc 120
aataaaatta actccgttac aatcagcatt catttcctcc aattaaaatt aagcataaac 180
cctaggtagt aaccttctgc acatatgtat agctccgaat ttctcactg ttcgtctggt 240
gcaaaaacaa tattcaagct tgtctgatta tgcataTTTT ctttaatcat atagattata 300
tatacaatag acaagacagg actatataga taatggacag acttaaatgc ccgcattttt 360
aagggtggaga aaatgatgaa tctatgcac cccgagaaca cttaaaattt tttttattt 420
cactgggaaa ttcttacagc tactttacaa tcataggtta acagcctagt tatacagaag 480
acatatcca ctacagagct atactctatg caactgtttt ttccctcat aaacaacctg 540
agttcaaatt gaattctatc ttccacaatc acaatgggtg catcaccag tacacagaag 600
tttgaatcac aaaacataat taccacaata aaacacagtg ttcaagtatc ttggcagagc 660
aatctgccgc acaactgca aattaaatta actacacaga ctaaaaacta tacagcctac 720
catcacagtt gtgcattata aaaaaggagg tttctttcct ttggttttta gtcaggaaca 780
gggtaggatt tttaccctc nggccgggga ccacgctaaa ggggcgaaat ttcttgccan 840
natattcctt tcac 854

```

<210> 330

<211> 299

<212> DNA

<213> Homo sapiens

<400> 330

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ccaatgaata actgacttta taatcctggg caatcagctt ttggcggtt gtaagtgtt 60
ctcgacactt ttactcatg gattcttcaa atttatgggt aaagaggcac ttatacactc 120
tgccctcacc agcttgtgta ttttcacaaa aacgctcccg atcatctcg caagcaaaat 180
ataaatgccg gtctaagtga aagtcacccg atgacagctc agccaccgg agaatggctt 240
tcttgacagag ttcagaaact tgaatcttgg gttctctttc ttctgtttt ttaccagg 299

```

<210> 331

<211> 573

<212> DNA

<213> Homo sapiens

<400> 331

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aaagatatga acagcttaat tttccgtgtg attatctaata taaaaaagaa aaacaaaaca 60
agcaaatgt tcaagttaaa aaaaaaacat accgggtgag caatgcacta aaattatcca 120
catgaaaaca aatgggtctgt aatcttataa accaacatag catttcactg tcaacaatgt 180
gaaaatttaa tatcttctca aacaggcata agatgaagaa gtgctatttt ttaattgtaa 240
aaggaaactta tgtaatgtaa aattacatta taatttttca ttccgaattg acaaatgatt 300
tcaaaaacaa ggatcaaagt ttgactgcaa atagtaatgc aatataattt cataaaaatc 360
cttcaatttc tatttttttc cttttctgta gttgacatat gaagaccact tcaatttcta 420

```

aaaaagggaa ccattccaat tttccctccc caagaaaatg tctcacaatt acaaagtaga 480
 aaaacagccg ttcataaatg caaaaaaatt ctgatttata tatgaaataa tttctagatc 540
 aattcaacat atttgatgac atttggtgag ttt 573

<210> 332
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 332
 aaatttgaaa gttgtaagca ctgatgttaa tgtgattgat cagcatgggc atatgtaaaa 60
 tgtccttttc tggttgcctc tctatgctat tgtgttcaga tacttacacc ataattaaac 120
 agtaagttat agacttgctg agtttggcat agatagtgcg ctcatTTaat ctgtgcctct 180
 caaaacttca gaatattagc atattaccac aaataatttt tggtgaaact attgagatat 240
 taaaattttt gaaatcacta ctgttacctg ttatagaaaa tagtgttggc ttagtctagt 300
 ctctgtgtaa ctggttacat tttgatggtt gtctatactc aactggatat gtgtatgtaa 360
 attagaaaa acatacctat ccagacataa atgctaagta acattttttt cttcctccaa 420
 ctacataatt tgtagctcat catttttcct taatcctttc ctaacttgtc gcagcagttt 480
 gaatttcca gatatttatg tttgaacata atggctcaga atacataatt gaacatcata 540
 gttgtatata ttttt 555

<210> 333
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 333
 aaatttcttt caacagtcta ttgggggtcca aaaagcatat atcaaaaaca aaataacaaa 60
 agcaaaaaca aatgctacat gtaaaagcta aagaaagaaa atgcagcata ttcaggttct 120
 ttttcttgag gtacctatat aaatttaatc acctgcccc aagtcctctc gttagggttaa 180
 aaacacaatg cgtcctgggg agccaattgc ccggcacgct ttattactga gaaagtgcaa 240
 gaatgctgat catcttatgc agcatactaa aggatgattt actctttaca aaatagagct 300
 taagtatcaa cctgatggaa gttagaaaat taaaaacatt taagtagaat catctctctc 360
 tctatttttg agatcctgca gcaaaaagcc tcccaaatca actttcaaag ttctgccatt 420
 aaggaatgtt ggttctcttg taaaattcag agatctcttt 460

<210> 334
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 334
 ccaaggaagg ctgtgctcta gccatctga cctgtctgc aaaccacctg ggggacaagg 60
 ctgatagaga cctgtgcaga tgtctctctc tgtgccctc actcatctca ctggatctgt 120
 ctgccaaccc tgagatcagc tgtgccagct tggaagagct cctgtccacc ctccaaaagc 180
 ggccccaagg 190

<210> 335
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 335
 aaatttggac agacttctag cggacagtta cttctcaaga attttctata caaaagctgt 60

```
<210> 336
<211> 429
<212> DNA
<213> Homo sapiens
```

```
<210> 337
<211> 373
<212> DNA
<213> Homo sapiens
```

```
<210> 338
<211> 366
<212> DNA
<213> Homo sapiens
```

```
<210> 339
<211> 319
<212> DNA
<213> Homo sapiens
```

<400> 339
 ccttccctcc ccaccacccat caacctcttc aaaacctact ccctccctct aagtatctct 60
 caacacagta tgtctggggc tagatttcaa aacccacgta atgaaaaagt cagttttaca 120
 agcctaattt tgttgTTTT tttttatat caattaacgt taaaaattgc atcaactatt 180
 taattcatga ggatctttca tattaataatt taaccttaag attcaaccgc catgtgcttt 240
 tataaaggaa acatttttta gagacgtctg agctcacttt tacatggtgg tgcctactgc 300
 cgtaaatgtt tgtgatttt 319

<210> 340
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 31, 44, 58, 70, 71, 106, 140, 148, 156, 164, 171, 174,
 180, 187, 190, 196, 219
 <223> n = A,T,C or G

<400> 340
 ctaataaaat gaattaacca ctcatcatn natctaccca ccnatccaa catctccnca 60
 tgatgaaacn ncggtcact ccttggcgcc tgctgatcc tccaantcac cacaggacta 120
 ttcctagcca tgcactactn accagacncc tcaacngcct ttnnatcaat nggncacatn 180
 actcganacn taaatnatgg ctgaatcatc cgctacctnc acgccaatgg cagcctcaat 240
 attctttatg ctgcctcttc ctacacatgc gggcgagg 278

<210> 341
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 341
 ccagcatggg gctgcagctg aacctcacct atgagaggaa ggacaacacg acggtgacaa 60
 ggcttctcaa catcaacccc aacaagacct cggccagcgg gagctgcggc gccacctgg 120
 tgactctgga gctgcacagc gagggcacca ccgtcctgct ctccagttc gggatgaatg 180
 caagttctag ccggtttttc ctacaaggaa ttcagttgaa tacaattctt cctgacgcca 240
 gagaccctgc ctttaaagct gccaacggct ccctgcgagc gctgcaggcc acagtcggca 300
 attcctacaa gtgcaacgcg gaggagcacg tccgtgtcac gaaggcggtt tcagtcaata 360
 tattcaaatg gtgggtccag gctttcaagg tgggaaggtg 400

<210> 342
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 342
 aaagaacaat gggaaaaaca agtccgtgtt ctacagatg ctgtcgatga cattaacttc 60
 attgatgact tcttggtgt ctacagagaat cacattttgg aagatgtgaa caaatgtgtc 120
 attgctctcc aagagaagga tgtggatggc ctggaccgca cagctggtgc aattcgaggc 180
 cgggcagccc gggtcattca cgtagtcacc tcagagatgg acaactatga gccaggagtc 240
 tacacagaa aggttctgga agccactaag ctgctctcca acacagtcac gccacgtttt 300
 actgagcaag tagaagcagc cgtggaagcc ctacgtcgg accctgcca gccatggat 360
 gagaatgagt ttatcgatgc ttccgcctg gtatatgatg gcatccggga catcaggaaa 420

gcagtgctga tgataaggac ccctgaggag ttggatgact ctgactttga gacagaagat 480
 tttgatgtca gaagcaggac gagcgtccag acagaagacg atcagctgat agctgg 536

<210> 343
 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 343
 aaaacttcta ttcatacaaa gacataaaga aaacagtcaa gccacagact aggtgtaata 60
 tctcaatata tatatccgac aagagaattg catctagaat gtataaagaa tttctatgac 120
 ccaattatag ctatcaggga tatacaaat aaaacaaaaa tgaaacatca ctacacaccg 180
 attggaatgg ttaaaaagga aaaatactga caacaccaat atttgtaaag acaggaggta 240
 ccagaactct cattcattat attcataaat tgacaaatat aaaaactgct atagtagggc 300
 agtcttcctt agaaagggat tgtgggcatg acagagaaca atattaatct gtccattata 360
 ttccttaact gtaaaatgga gaccatatgt tccaccagct tcacttggtg attatgatac 420
 atggctatta agagactcaa atgactccat ttcatcaact aatatgcct gtcaattcta 480
 cttctaaagt atcccatgtt ctatccaatg tcataccact atcataattt aagtgttcat 540
 aactctctat aatatttcaa taatctaact ggtctcaatg cctgtagtag aaattgcaga 600
 ttgggctccc caatttctgt tccctaggaa ggctgagaaa gctttt 646

<210> 344
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 344
 cctgcacccc agtataaggg cctccccagc tgagtaagaa gctgcttccc ctccctctcat 60
 aggccaagcc tatttgtgtga aaccatctca tgggtcttggg gacgtagacc atttttgaaa 120
 ccgtctcatg gtcttgggtga cgtagaccgt ttgcttcttt aactccagcc gcggaatgac 180
 attagtggaa ccgggctagg gaactgctgg aagttcagga tgccaccacc ttgaacacct 240
 aggccaggga tccccacat gtcccgggtt tctttcttcg agagtataga accgttcatt 300
 cttgctttgt gtcccattcc atctcttgaa aaaatgtagt ctttgaatgt gtgaaaatct 360
 agggacattc aatctagtct ttt 383

<210> 345
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 345
 cctccccctt ccctttgctg gtgggaggag ctctgtgtgt ccttggccgc ttactggaag 60
 ggcgtttttc agagctgcag ggacagggtg agcagctgaa gggctaggag ggaagccggc 120
 cccgcgtctg cagaagctgc atttcagctg aatctgtgtt tcagcctcag ttggttgac 180
 cgttagcccc tctcctccc gatggctcat tttttgtcac attagagaat aaacagccac 240
 acacacattt ttttttttcc ttt 263

<210> 346
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 346
 aaatccaaat acaaaagcat agtctctgca agattttgtt ctttgaattt cttgatattg 60

taattgatta ttgataactg tcatcatgaa attatctctc aataataaga taaataaact 120
agcatatgaa tc 132

<210> 347
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 484
<223> n = A,T,C or G

<400> 347
cctgggtatc cagggaggct ctgcagccct gctgaagggc cctaactaga gttctagagt 60
ttctgattct gtttctcagt agtcctttta gaggcttgct atacttggtc tgcttcaagg 120
aggctcgacct tctaattgat gaagaatggg atgcatttga tctcaagacc aaagacagat 180
gtcagtgggc tgctctggcc ctggtgtgca cggctgtggc agctgttgat gccagtgtcc 240
tctaactcat gctgtccttg tgattaaaca cctctatctc ccttggggaat aagcacatac 300
aggcttaagc tctaagatag atagggtgtt gtccttttac catcgagcta cttcccataa 360
taaccacttt gcatccaaca ctcttcaccc acctcccata cgcaagggga tgtggatact 420
tggcccaaag taactggtgg taggaatctt agaaacaaga ccacttatac tgtctgtctg 480
aggnagaaga taacagcagc atctcgacca gcctctgcct taaaggaaat ctttattaat 540
cacgtatggt tcacaagata attc 564

<210> 348
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 12, 23, 70, 80, 89, 101, 123, 131, 151, 168, 177, 185,
212, 220, 222, 233, 253, 255, 263, 264, 286, 287, 300, 302,
315
<223> n = A,T,C or G

<400> 348
gencatgaac anggagcaac ganaagagat gtcgggctaa gggcccggga cgggcggcac 60
ccatcctgcn acggaacacn ttcggttnt ggttttgatt ngttcacctc tgtttatatg 120
canctatitg ntctctctcc cccaccccag ncccacactt catgcttntc ttccgcnctc 180
agccnccctg cctgtctctc gcggtgagtc antgaccacn gnttcccctg cangagccgc 240
cgggcgtgag acnngaccc tcnntgcata caccaggccg ggcccnngct ggctccccc 300
gnggccctgt gaaanagctg g 321

<210> 349
<211> 255
<212> DNA
<213> Homo sapiens

<400> 349
ccatgacagt gaaggggctg ttaggaatat caacaccacc gaagcgcaca tagatcacat 60
atgtgcccgg cttggcagct gtgtagaaga tgtcataggt tccatcttca ttctcaatga 120
catcggcctc ggccctcagtg ccatctgggg tcagaaccgt gcaggtcact ttacccttcc 180

cggcagtctt ggcatcaacc acaaagccta cttcttcgcc agttttcaca gtggaggcga 240
ttccaggacc cgtag 255

<210> 350
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 27, 96, 110, 112, 309, 360, 447, 455
<223> n = A,T,C or G

<400> 350
gggcttattn gctcacaaaa tcattcnctt ttggaactat ggccaattga agctacacac 60
tgaatttatt aatacagcat taagtttctt tgtgtnaaaa aatctttgtn cncagtaata 120
aaaaaagata aggcaagatg cattaaacat gaaaccttct ggctcttttc ctctgcgttt 180
ttacagagcc actgatgact atctgcaaca aaagagttaa gtttctgatt ttccgtatca 240
agcatcttat gcctttgctg tggtaagaat tctggccaag caccctgaag gacagatgct 300
ggatgatggnc tttggcactt atgctggcaa actgagcttc ttcccttga gtacttttgn 360
aatgtacaag tagaagaagt cacaagtata ggatggtctg gactacgccg gccaccacag 420
caatgaggtc aaagaagccc tcaaagnaga agcgnccaga tccagttgac aagatacaaa 480
gcacgataga ggccca 496

<210> 351
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49
<223> n = A,T,C or G

<400> 351
ccatagtga gcttggaat gagtggtact gcagcatctg ggctgccanc cacaggggaag 60
ggccaagccc catgtagccc cagtcatacct gccagcccc gcctcctgg 109

<210> 352
<211> 384
<212> DNA
<213> Homo sapiens

<400> 352
ccttcgagag tgacctggct gccaccagg accgtgtgga gcagattgcc gccatcgcac 60
aggagctcaa tgagctggac tattatgact caccagtggt caacgcccggt tgccaaaaga 120
tctgtgacca gtgggacaat ctgggggccc taactcagaa gcgaagggaa gctctggagc 180
ggaccgagaa actgctggag accattgacc agctgtactt ggagtatgcc aagcgggctg 240
cacccttcaa caactggatg gagggggcca tggaggacct gcaggacacc ttcattgtgc 300
acaccattga ggagatccag ggactgacca cagcccatga gcagttcaag gccaccctcc 360
ctgatgccga caaggagcgc ctgg 384

<210> 353
<211> 345

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 41, 59, 110, 124, 131, 230, 231, 239, 245, 247, 273,
280, 284, 285, 296, 303, 325, 343
<223> n = A,T,C or G

<400> 353
ccttggtcag gatgaagtng gctgacacac cttagcttgg ntttgcttat tcaaaagana 60
aaataactac acatggaaat gaaactagct gaagcctttt cttgttttan caactgaaaa 120
ttgnacttgg ncacttttgt gcttgaggag gcccattttc tgccctggcag ggggcaggta 180
tgtgccctcc cgctgactcc tgcctgtgtcc tgaggtgcat ttcctgttgn ncacacaang 240
gccangntcc attctccctc ccttttcacc agngccacan cctnntctgg aaaaangacc 300
agnggtcccg gaggaaccca tttgngctct gcttgacacg canag 345

<210> 354
<211> 712
<212> DNA
<213> Homo sapiens

<400> 354
ccatctacaa tagcatcaat ggtgccatca cccagttctc ttgcaacatc tcccacctca 60
gcagcctgat cgctcagcta gaagagaagc agcagcagcc caccagggag ctccctgcagg 120
acattgggga cacattgagc agggctgaaa gaatcaggat tcctgaacct tggatcacac 180
ctccagattt gcaagagaaa atccacattt ttgccccaaa atgtctattt ttgacggaga 240
gtctaaagca gttcacagaa aaaatgcagt cagatatgga gaaaatccaa gaattaagag 300
aggctcagtt atactcagtg gacgtgactc tggacccaga cacggcctac cccagcctga 360
tcctctctga taatctgcgg caagtgcggg acagttacct ccaacaggac ctgcctgaca 420
accccgagag gtccaatctg tttccctgtg tcttgggctc tccatgcttc atcgccggga 480
gacattattg ggaggtagag gtgggagata aagccaagtg gaccataggt gtctgtgaag 540
actcagtgtg cagaaaaggt ggagtaacct cagcccccca gaatggattc tgggcagtgt 600
ctttgtggta tgggaaagaa tattgggctc ttacctccca atgactgccc taccctgctg 660
gaccccgctc cagcgggtgg gggattttct tggactatga tgctggggga gg 712

<210> 355
<211> 385
<212> DNA
<213> Homo sapiens

<400> 355
cctcatagcc gcttagcaca gttacagaat gtctgaaggg gacagtgtgg gagaatccgt 60
ccatgggaaa ccttcgggtg tgtacagatt ttccacaaga cttggacaga tttatcagtc 120
ctggctagac aagtccacac cctacacggc tgtgcatggg gtcgtgacac tgggcctgag 180
ctttgtctac atgattcgag tttacctgct gcagggttgg tacattgtga cctatgcctt 240
ggggatctac catctaaatc ttttcatagc ttttctttct cccaaagtgg atccttcctt 300
aatggaagac tcagatgacg gtccttcgct acccaccaaa cagaacgagg aattccgccc 360
cttcattcga aggtcccgag agttt 385

<210> 356
<211> 347
<212> DNA
<213> Homo sapiens

<400> 356
 aaatgagata aagaaagtct ccttttgttt ttagatggaa aagaaagcac aagttttttc 60
 tacctgtgaa tgaactttgg tgacctatat gtgccattca tgcagcattt ttgttcatat 120
 tggcttagaa ttcagtgcac gaatatcatt acattcttat atctaacatt cctagttagc 180
 tttgattcaa aatatacaaa atctgatata tgaatacttt gctagattaa tgacttgatc 240
 atctttggaa tgagtaggca agacgatttt tacctattat ttctatgttg tgggtaaatgt 300
 taaaactaaa tacagatgat aataattgct atttcacagt gatgttt 347

<210> 357
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 357
 aaagtaatca acctctctgt ccttccatta gtctggatcg tctaaagatt gttttatttt 60
 tagaggctca tccggtcaga tgtagtgat gtgaaatttc aggccaggcg tgacgtcagc 120
 gtggcatttg aaacagctcc atgttgccct tagtgctgtc tgaccgaagc ctgtctgtcc 180
 tcagatataa agatgaagcg cagctgtata aagaagagca cctgaggaaat cggcagcacc 240
 ctcaactgcta cgttcagtag atgatcgcca tcatcaacaa ctgccagacc ttcaaggaat 300
 ccatagtcag ttt 313

<210> 358
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 358
 aaaaagaagg acttaggggtg tcgttttcac atatgacaat gttgcattta tgatgcagtt 60
 tcaagtacca aaacgttgaa ttgatgatgc agttttcata tatcgagatg ttcgctcgtg 120
 cagtactgtt ggtaaataga caatttatgt ggattttgca tgaatacac agtgagacac 180
 agtaatttta tctaaattac agtgcagttt agttaatcta ttaatactga ctcaagtgtct 240
 gcctttaaat ataaatgata tgttgaaaac ttaaggaagc aaatgctaca tatatgcaat 300
 ataaaatagt aatgtgatgc tgatgctgtt aaccaaaggg cagaataaat aagcaaaatg 360
 ccaaaagggg tcttaattga aatgaaaatt taattttgtt ttt 403

<210> 359
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 359
 aaataaatac ttagaacacg acttgggtcc tacaagcatc tggactctag gtctcagtag 60
 tggagtgtct caccatggg cccacgcag ggacgccacg gttccctccc acccgtgat 120
 caagacacgg aatcggtgc cgatggtttg atcgcaatgc gccccttttc tagagccttc 180
 cccggccatc tacaggcagg atgcggttg gaaaaagaca actggaattt ctggaagggt 240
 gatggtccgc acggttgagg attctacgtg gttctcttgg ttccctgggt gtgtgtgtgt 300
 gtggaggagg ccgcggccct tagatcacct tcttgagctc gtcgtacagg accagcacga 360
 aggcgcccc catgccccgc aggaagttgg accacgcacc cttgaagaag g 411

<210> 360
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 276, 328
 <223> n = A,T,C or G

<400> 360
 cctcttcagg ggccccgagcc agggacaggg ccttggtttc cttctccctg gcttctgcct 60
 cagctctgtc cctctcatcc gcgtatttgg aagagatggt tttctcctcg gctaacaact 120
 gatcaaattt cctctgcttc ttttccaggt tggacacgag ttgccgctgg ttgtccaaat 180
 caacaaccag gtctgtccagc tcctgctgaa gcctgttctt ggtcttttcc agtttatcat 240
 aagcgggcgc cttctcctcg tactgctggg tgaggntctc gatctccttc tggaaacctct 300
 tcttcccttc ttccagagct tccacggngc tggcaaagtc ctgcagcttc ttcttcgagt 360
 cggagagctg gatgttga 378

<210> 361
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 361
 aaatactggg ggccattaag agtggatgta gctaagagct tagctaacat tgccttttca 60
 ctctatTTTT ctcagatatt gtaagcattc tgTTTTTcaa tattgtagtt aattttttgg 120
 ctttcaacag cagccctagt aatgggtggag ttgttaatta atgtgtatat tgtactgaat 180
 ttctgtcagt taaggggttc actgctttgg tggaaattgg tggaaattgc tagcagggttc 240
 cacgatgttt atttttttct ccatgtttgta tatcattacc atttcacata cgcgttttcta 300
 tttttcttcc tctcctcctg atctccttaa aaatgaatct agagttgggtg gctttttccc 360
 cctcctcttt gg 372

<210> 362
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 362
 cctgagtcac ctagcatagg gttgcagcaa gccctggatt cagagtgtta aacagaggct 60
 tgccctcttc aggacaacag ttccaattcc aaggagccta cctgagggtcc ctactctcac 120
 tgggggtccc aggatgaaaa cgacaatgtg cttttttatt attatttatt tgggtggctct 180
 gtgttatTTA agagatcaaa tgtataacca cctagctctt ttcacctgac ttagtaataa 240
 ctcataactaa ctggtttTGA tgccctgggtt gtgacttcta ctgaccgcta gataaacgtg 300
 tgccctgtccc ccagggtgggtg ggaataattt acaatctgtc caaccagaaa agaattgtgtg 360
 tgttttgagca gcattgacac atatctactt tgataagaga cttcctgatt ctctagggtcg 420
 gttcgtgggtt atcccattgt ggaaattcat cttgaatccc attgtcctat agtcctagca 480
 ataagagaaa tttcctcaag tttccatgtg cggttctcct agctgcagca atactttgac 540
 attt 544

<210> 363
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 363
 aaactggTTA tgacaaaagc ctttagttgt gtttcttgaa ctataaagaa aacaaatttt 60
 ggcagtcttt aagtatatat agcttaaaat ataattttta gcatttggca ccatatgtat 120

```

gccattatat ttgattttgc attactgttt cacaatgaag ctttctttaa ggctttgatt 180
tttatgatta tgaaagaaat aaggcacaac cacagttttt ctttcttaaa ttcatcact 240
gttgatgtgg ttcttttgtg ttaaaaaaaa aaagtgcacac tatcaaaact aaaaaattat 300
agagtaatat tgccgttctg ctgatttt 328

```

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<210> 364
<211> 569
<212> DNA
<213> Homo sapiens

```

```

<400> 364
cctgggcacc tctttgcttg aaatatggca agacttggaa aaatgtttgc ccttagaata 60
tatctcacta ctttagttag ttgtctcctt tgggcctggg cacagttctg gccctgatct 120
ggaacagact cccttttcta aaactgaact tgaccacatc aaaagtttgt aaaacaatct 180
ccatggtaat taaacttgca ttcaacacca tatggtaaca gaagatggca aaggataaga 240
ttcagatctt agatctttcc aagtagggca tgtagatga tagaaggatt agttgcaagc 300
tggatctgag ctcaggcttg ggcatagaag aaactgtctc ccatgtggtt tgggaagagt 360
aggggctccc tgagctctat tgtgaactat acgggtttca tccaaggaat ggtatgatgt 420
gggcataaaa ccattcttca gacaactgaa gatgggtccc ttctgtagcc agaaaacta 480
gctgtcctgc attgtccatt tccttttagcc ccaggcgggc ctgtgtgtac agggaggtct 540
cctgtaaggg aatggtttcc ttggcttgg 569

```

```

<210> 365
<211> 151
<212> DNA
<213> Homo sapiens

```

```

<400> 365
aaaaaaaaaa atccttttat tatggaattt gtcaaacaca cacacaagca taacaaaccc 60
ctaggtagcc atctccaagt tttagccctt attataattt catcttcagt gttttattat 120
ccacttcctc tctctctatc ttttagtattt t 151

```

```

<210> 366
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 43, 99, 132, 136, 138, 142, 180, 204, 208, 228, 233, 249,
293, 307, 309, 347, 358, 374, 401, 434, 436, 440, 442, 463
<223> n = A,T,C or G

```

```

<400> 366
agtataaaga tatattccat aaaagagttt ggcagtcaaa ganaagcatc gcacttccga 60
aaaacacaag cattcttctc ctagtctaca gagaattgng taaaaaaaaa aaaaaatcat 120
catcaacagc cncantnta cncacacta gaatgtacac tccggcaagt aaattaaggn 180
tgcagtccat ccctgaacga tganaagnng tctgagctat ggcaaagngt tanaaagtag 240
cccagctana caaatgcccc agctatcccc aggggagtta ttcagtactt aanacttcat 300
ttccaananc agccccggaa aagccctgac aggaaggggg gaccagnat caccgatntc 360
ccattagggg cggncaccaa aaacaaaatg cctggagctt ntgagcagct gcagcctggg 420
gttgtggcta ggcncngggg gnggttgcaa aaaaacgggt gtntccgggg agaggcaaat 480
ggcagggccag ccagccctgg gtacatgg 508

```

<210> 367
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 367
 cctgagcggc tagtctttaa gatgcgcttc tatcgtttgc tgcaaaccg agcagaagcc 60
 ctccctggcgg caggcagcca tgtgatcatt ctgggtgacc tgaatacagc ccaccgcccc 120
 attgaccact gggatgcagt caacctggaa tgctttgaag aggaccacag gcgcaagtgg 180
 atggacagct tgctcagtaa ctgggggtgc cagtctgcct ctcatgtagg gcccttcac 240
 gatagctacc gctgcttcca accaaagcag gagggggcct tcacctgctg gtcagcagtc 300
 actggcgccc gccatctcaa ctatggctcc cggcttgact atgtgctggg ggacaggacc 360
 ctggtcatag acacctttca gg 382

<210> 368
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 368
 ccttctccct ctttgacaag gatggagatg gcactatcac caccaaggag ttgggggacag 60
 tgatgagatc cctgggacag aacccactg aagcagagct gcaggatatg atcaatgagg 120
 tggatgcaga tgggaacggg accattgact tcccggagtt cctgaccatg atgg 174

<210> 369
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 369
 aaatctcatg ggttctatta aaaaaatata tatatagggc cccaatccat tgccatcaaa 60
 ttgcccttgg acttttccaa ggtatattat ggggttttat gcaaaattcc aagctacat 120
 gtaacttttt ttaaccattt aacaaggagg gggaactggt tcctaccttc ttacatggt 180
 gtgcattggt gtggtccaga aatgccaaac cttttt 216

<210> 370
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 370
 ccttggtcag gatgaagttg gctgacacag cttagcttgg ttttgcttat tcaaaagaga 60
 aaataactac acatggaaat gaaactagct gaagcctttt cttgttttag caactgaaaa 120
 ttgtacttgg tcacttttgt gcttgaggag gcccattttc tgccctggcag ggggcaggtc 180
 tgtgccctcc cgctgactcc tgctgtgtcc tgaggtgcat ttctgttgt acacacaagg 240
 gccaggctcc attctccctc cctttccacc agtgccacag cctcgtctgg aaaaaggacc 300
 aggggtcccg gaggaaccca tttgtgctct gcttgacag cagg 344

<210> 371
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 644, 646, 689
 <223> n = A,T,C or G

<400> 371
 aaattacata tctaattgtg tgatttggtt aatgcccatt tcttcatcta agtgctaagt 60
 gctaagtgtg gcagtttggt ccctgctaca ctccaaggca caaaggagtt caaggaatgt 120
 gcaatggaaa tcagtttagat gaatgtgtta ggaaccttcc ctttaataaa gctggatccc 180
 aactagcccc ctacaccctc tcatcaccaa atattcctgc ttcctctcac ctgcacttgc 240
 tgttctctcc tctgccacac aaatctacct ctcaagccta ggtcccacct gcttcatgac 300
 aactttccag actattccag aacctttaac catctctgac ctctcatcag atctatgttg 360
 tacataacac caattaatga gatcattact gctttatgct ctaattgctt cctgtattca 420
 aaatcttctc tccaaccaca taatgactcc ctaaacttct cttgtatatt ccaatgcctt 480
 gtacaagcac agaactggtc aatcaataaa tactcactgg ttatttgagg aaaaaatgtt 540
 gccaagcacc atctttatca gaaaataaat caattcttct aaacttggag aaatcacccct 600
 attcctagta tgtgatctta attagaacaa ttcagattga gaangngaca gcatgctggc 660
 agtcctcaga gccctcgctt gctctcggn cctccctgcc tgggctccca ctttggtggc 720
 atttgaggag cccttcagcc t 741

<210> 372
 <211> 218
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 57, 218
 <223> n = A,T,C or G

<400> 372
 ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtaccacaac agcaggncctg 60
 agtgagaaat ctaccacctt ctacagtagc ccagatcac cggacacaac actctcacct 120
 gccagcacga caagctcagg cgtcagtga gaatccacca cctccacag ccgaccaggc 180
 tcaacgcaca caacagcatt ccctggcagt accttggc 218

<210> 373
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 373
 actgctaggg aatgctgttg tgtgcattga gcctggcgg ctgtgggagg tgggtggattc 60
 ttcactgacg cctgagcttg tcgtgctggc aggtgagagt gttgtgtccg gtgatctggg 120
 gctactgtag aaggtggtag atttctcact caggcctgct gttgtggt 168

<210> 374
 <211> 154
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 34
 <223> n = A,T,C or G

<400> 374
 tgagaaatct accaccttct acagngagcc ccanatcacc ggacacaaca ctctcacctg 60
 ccagcacgac aagctcaggc gtcagtgaag aatccaccac ctcccacagc cgaccaggct 120
 caacgcacac aacagcattc cctggcagta cctc 154

<210> 375
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 375
 actgccaggg gacagtgctg tgtcagttga acctgggctg ctgtgggaag ttgttgattc 60
 ctgactgggg cctgaggttg tgggtgctggc aggtaacagt gttgtatccg ttgagcctgg 120
 gctgctgttg gaagttgtag aatgccgact gaggcctggc gtggtggtgc tgtcagggaa 180
 tgctgtttgt tgcgttgagc ctggtcggct gtgggaggtg gtggattctt cactgacgcc 240
 tgagcttgtc gtgctggcag gtgagagtgt tgtgg 275

<210> 376
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 173
 <223> n = A,T,C or G

<400> 376
 actgccaggg gacagtgctg tgtcagttga acctgagctg ctgtgggaag ttgttgattc 60
 ctgactggag cctgaggttg tgggtgctggc aggtaacagt gttgtatccg ttgagcctgg 120
 gctgctgttg gaagttgtag aatgccgact gaggcctgcc gtggtggtgc tgnntagggaa 180
 tgctgctagc g 191

<210> 377
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 377
 ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtacatttcc ttgtagactc 60
 tgtaaatttc ctgcagctcc tggttgggtc tggagcagat gatctcaatg agagagtcct 120
 cgtcggttcc cagcccttcc atggaagctt ttagctcaga agcgtcatac tgagcaggtg 180
 tcttcaatag gcccaaaatc accgtctcca ggtggccaga taaggctgac ttcagtgtctg 240
 atgcaagttc ctttttggtc cttctctggt aggcgaaggc aatatcctgt ctctgtgcat 300
 tgctgcgggt ggtcaaaatg ttgacaatgg tgacctcatc cacacctttg gtcttgatgg 360
 ctgtttcaat gttcaaagca tcccgctcag catcaaagtt agtataggct ttgacagacc 420
 catatgcact tgggggtgta gagtgatcac cctccaagcc gagcttgcac aggatt 476

<210> 378
 <211> 455
 <212> DNA
 <213> Homo sapiens

<223> n = A, T, C or G

agtgtgctgg	aattcgccct	tggccgcccg	ggcaggtaca	catcccatct	tcaaatttaa	60
aatcatattg	tcagttgtcc	aaagcagctt	gaatttaaag	tttgtgctat	aaaattgtgc	120
aaatatgtta	aggattgaga	cccaccaatg	cactactgta	atatttcgct	tcctaaattt	180
cttccacctt	cagataatag	acaacaagtc	tgagaaacta	aggctaacca	aacttagata	240
taaatcctac	caataaaatt	tttcagtttt	aagttttaca	gtttgattta	aaaacaaaac	300
agaaacaaat	ttcaaaataa	atcacatctt	ctcttaaaac	ttggcaaacc	cttcctaac	360
tgtccaagtn	tgagcataca	ctgccactgg	ctttagatac	tccaatttaa	tgcactactc	420
tttcaactgg	ctgaatgaag	tatggtgaaa	caagc			455

<213> Homo sapiens

<223> n = A, T, C or G

agctcggatc	cctagnacgg	ccgccagtgt	gctggaattc	gcccttagcg	gcgggcccggg	60
caggtacaaa	gaatccttag	acgccatact	gagttttaag	ttccttaatt	cctaatttaa	120
ggcttctagt	gaagctctct	cacagtaggc	ttcactaggc	ccacagtgcc	cctagattcc	180
tgacaatccc	accctagaca	gactttattg	caaaatggcg	ctgaagaggc	agatgattcc	240
caagaqaact	caccaaataca	agacaaatgt	cctagatctc	taqtgtggna	gaactat	297

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

```
actttgctga aaattctttt tcccagggtc tataaaacat taatttgttt ttatatTTTA 60
ctattttttt gngttttttt gtttttaaat caataagtaa tctaggacta gcattatggt 120
tgctagacct ggcatttgct cggc                                     144
```

<213> Homo sapiens

actcttgaat acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg 60

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

<400> 384
actcttgaat acaagqttct gatatcactg cactgtctga gaatttccaa aactttaatg 60

```
<210> 385
<211> 422
<212> DNA
<213> Homo sapiens
```

```
<210> 386
<211> 313
<212> DNA
<213> Homo sapiens
```

```
<210> 387
<211> 236
<212> DNA
<213> Homo sapiens
```

```
<210> 388
<211> 195
<212> DNA
<213> Homo sapiens
```

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	28	36	32	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	1	1	0.05	0.2	0.95	Normal
Marital Status	2.1	0.8	1	3	2	1	3	2	0.12	1.8	0.97	Normal
Education	12.5	2.1	8	16	11	10	12	11	0.18	2.3	0.96	Normal
Income	1500	500	500	3000	1200	800	1800	1000	0.25	2.8	0.94	Normal
Occupation	1.5	0.5	1	3	1	1	2	1	0.08	0.3	0.96	Normal
Health Status	2.5	0.5	1	3	2	2	2	2	0.02	0.1	0.99	Normal
Stress Level	3.2	1.1	1	5	3	2	4	3	0.10	1.5	0.97	Normal
Life Satisfaction	4.1	0.9	1	5	4	3	5	4	0.05	0.2	0.98	Normal
Work-Life Balance	3.8	1.0	1	5	3	2	4	3	0.12	1.8	0.96	Normal
Family Support	4.5	0.8	1	5	4	4	4	4	0.01	0.05	0.99	Normal
Community Involvement	2.8	0.7	1	4	3	2	3	3	0.08	0.3	0.97	Normal
Personal Growth	3.5	0.9	1	5	3	2	4	3	0.10	1.5	0.96	Normal
Overall Well-being	4.2	0.8	1	5	4	3	5	4	0.05	0.2	0.98	Normal

ccttacgcat cctttacata acagacgagg tcaacgatcc ctcccttacc atcaaataca 180
 ttggccacca atggt 195

<210> 389
 <211> 183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 32, 60, 115
 <223> n = A,T,C or G

<400> 389
 taacactcac aacaaaacta actaatacta nnatctcaga cgctcaggaa atagaaacn 60
 cctgaactat cctgcccgcc atcatcctag tcctcatcgc cctcccatcc ctacncatcc 120
 ttacataaac agacgaggtc aacgatccct cccttaccat caaatcaatt ggccaccaat 180
 ggt 183

<210> 390
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 390
 acaaagcagc aactgcaata ctcaagggtta aaacattaga aaagcatttg tgtgacaggt 60
 atattacagt attatcaaaa tattacattt tcagacttac ttagcagata atcatccacc 120
 agagcttaaa tctttaaatt atttccatag tcttaaaaaa tatgtaatgt cagaatgcat 180
 ataaaaagaa tgtaaaagga aacctaaaat acaaattggaa taatgtaaca aataaatatt 240
 tgatttcagt aactgttaat aatcagctca acaccacat tctctctaaa ctcaatttaa 300
 ttcttatagg aataatgaac tgtcaaattgc catggcataa ttattttatt ccaagctatc 360
 atcaatgatt agaactaaaa aaaatttggc ataaaaaaat cacaattcag cataaataaa 420
 gctattttta gcttcaacac tagctagcat ctctaagaat tgttgaaata agt 473

<210> 391
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 42
 <223> n = A,T,C or G

<400> 391
 atttgtattt taggtttcct ttacattct ttttatatgc nntctgacat tacatatttt 60
 ttaagactat ggaaataatt taaagattta agctctggtg gatgattatc tgctaagtaa 120
 gtctgaaaat gtaatatatt gataatactg taatatacct gtcacacaaa tgctttttcta 180
 atgttttaac cttgagtatt gcagttgctg ctttgt 216

<210> 392
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 392
 acttatttca acaattctta gagatgctag ctagtgttga agctaaaaat agctttatatt 60
 atgctgaatt gtgatttttt tatgccaaat ttttttaa 98

<210> 393
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 393
 tgccgatata ctctagatga agttttacat tgttgagcta ttgctgttct cttgggaact 60
 gaactcactt tcctcctgag gctttggatt tgacattgca ttgaccttt tatgtagtaa 120
 ttgacatgtg ccagggcaat gatgaatgag aatctacccc cagatccaag catcctgagc 180
 aactcttgat tatccatatt gagtcaaatg gtaggcattt cctatcacct gtttccattc 240
 aacaagagca ctacattcat ttagctaaac ggattccaaa gagtagaatt gcattgaccg 300
 cgactaattt caaaatgctt tttattatta ttatttttta gacagtctca ctttgtcgcc 360
 caggccggag tgcagtgggt cgatctcaga tcagtgt 397

<210> 394
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 283
 <223> n = A,T,C or G

<400> 394
 ttacattggt gagctattgc tgttctcttg ggaactgaac tcactttcct cctgaggctt 60
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 aatgagaatc tacccccaga tccaagcatt ctgagcaact cttgattatc catattgagt 180
 caaatggtag gcatttctta tcacctgttt ccattcaaca agagcactac attcatttag 240
 ctaaacggat tccaagagat agaattgcat tgaccacgac tantttcaaa atgcttttta 300
 ttattattat tttttagaca gtctcacttt gtgcgccagg ccggagtgca gtggtgcgat 360
 ctacagatcag tgt 373

<210> 395
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327
 <223> n = A,T,C or G

<400> 395
 actgatcatt ctatttcccc ctctattgat ccccacctcc aaatatctca tcaacaaccg 60
 actaatcacc acccaacaat gactaatcaa actaacctca aaacaaatga taaccatata 120
 caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac 180
 aactaacctc ctcggactcc tgctcactc atttacacca accaccaat tatctataaa 240
 cctagccatg gccatccctt tatgagcggg cgcagtgatt ataggctttc gctctaagat 300

taaaaatgcc ctagcccaact tcttacngca aggcacacct acacccctta tccccatact 360
agttattatc gaaaccatca gcctactcat tcaaccaata gccctggccg t 411

<210> 396
<211> 411
<212> DNA
<213> Homo sapiens

<400> 396
actgatcatt ctatttcccc ctctattgat cccacactcc aaatatctca tcaacaaccg 60
actaattacc acccaacaat gactaatcaa actaacctca aaacaaatga tagccatata 120
caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac 180
aactaacctc ctcggaactcc tgcctcactc atttacacca accacccaac tatctataaa 240
cctagccatg gccatccctt tatgagcggg cgcagtgatt ataggctttc gctctaagat 300
taaaaaatgcc ctagcccaact tcttaccaca aggcacacct acacccctta tccccatact 360
agttattatc gaaaccatca gcctactcat tcaaccaata gccctggccg t 411

<210> 397
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 7, 71, 93, 208, 276, 340, 345
<223> n = A,T,C or G

<400> 397
ngccgangta caaaaaaaaaag cacatttcta gaaaaaggta ttggcaaata gtaaaaatgg 60
gagggtcaaaa ncaaaaaaaaaa aaaaaacaaa acnaaaaaaa gaaaaaacca acaatttctt 120
aattcagtggt gcaaacatta tataaaaaata gaaataactaa ctctacagga agtatttctt 180
gataaattat ttaaataagca tatctacnca atctgagata tctatttcaa tggcaatgag 240
aaaataattt ataaaaataa agcaatggta taccanatga tagaaaaaaa cataactttc 300
agaaattgta ttttaacattt caatgctatt tccttattgn gaatncttct c 351

<210> 398
<211> 363
<212> DNA
<213> Homo sapiens

<400> 398
acaaaaaaaaa gcacatttctt agaaaaagggt attggcaaatt agtaaaaatg ggagggtcaaa 60
agcaaaaaaaaa aaaaaaacaa aacaaaaaaaaa agaaaaaaccc aacaattctt caattcagtg 120
tgcaaacatt atataaaaat agaaataacta actctacagg cagtatttcc tgataaatta 180
tttaaatagc atatctacac aatctgagat atctattcca atggcaatga gaaaataatt 240
tataaaaaata aagcaatgggt ataccagatg atagaaaaaaa acataacttt cagaaattgt 300
atttaacatt tcaatgctat ttccttattg ggaataacttc tctgcagagt ttttatgcta 360
tgt 363

<210> 399
<211> 360
<212> DNA
<213> Homo sapiens

<400> 399
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 ctattctgta tgtccctccc tcatttcaaa tgagagtaac caattgagta aaataaccaa 120
 ataaccattg cccaccatg aacatggggc ttgggaagac agtcctacaa tcttcatcat 180
 atatttaggt ttttaggcc gccagctctt tttttccaaa gctttctttt gaataccgcg 240
 ccgggcccgc cctaaggcg aattctgcag atatccatca cactggcggc cgctcgagca 300
 tgcactaga gggcccaatt cgcctatag tgagtctgtat tacaattcac tggccgtcgt 360

<210> 400
 <211> 87
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 43, 83, 85
 <223> n = A,T,C or G

<400> 400
 ctgcacatat cnattacact ggcggccgct cgagcatgca tgnagagggc ccaattctcc 60
 ctatattgag tggaattaca atncnct 87

<210> 401
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 206
 <223> n = A,T,C or G

<400> 401
 acccagggac acaaacactc tgcctaggaa aaccagagac ctttgttcac ttgtttatct 60
 gctgaccttc cttccactat tgcctatga ccctgccaaa tccccctctg cgagaaacac 120
 ccaagaatga tcaataaaaa ataaaataaa attaaattaa aaaaaaaaaa agagaggaac 180
 ccacaaaaaa aaaaaaaaaa aaagtntata aaataaaata ttgaagtcct ttcccattaa 240
 aaaaaaaaaa aagaaaaagc acggactctt tcatccagtt ctgatgtgat tatctctgga 300
 aggcattttc tctctctctt cctcccc 328

<210> 402
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 227, 253
 <223> n = A,T,C or G

<400> 402
 nacataatga caacatcttc actagactga gtgttcaagg atttgagatg attcgctatt 60
 catcacaccc cgaagattga gatccactgt atttacacaa agcaaagcca tgtcagcaag 120

ggactgtcaa cctgattctg agaacataaa cattcaaaat ttattttcca gtgttccttt 180
 ttggaaacca acaacacatc ttttaatacct acacacacac acatctntac ctttaaaaaa 240
 aaaaaaaaaag tгнаacttca cagatagt 268

<210> 403
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 403
 acagtgatag ctccccctgg gcaatacaat acaagaacag tgggttttgt caaattggaa 60
 caaggaaaca gaaccacaga aataaatata ttggttaaca tcagattagt tcaggttact 120
 tttttgtaaa agttaaagta gaggggactt ctgtattatg ctaactcaag tagactggaa 180
 tctcctgtgt tctttttttt tttaaattgg ttttaatttt ttttaattgg atctatcttc 240
 ttccttaaca tttcagttgg agtatgtagc atttagcacc actggctcaa tgcgctcacc 300
 taggtgagag tgtgaccaa tcttaaagca ttagtgctat tatcagttac caccatttgg 360
 ggcttttatc cttcatgggt tatgatgttc tctgatgac acatttctct gagttttgta 420
 attccagcca aagagagacc attcactatt tgatggctgg ctgcatgcag acatttaaag 480
 cttttagaga atacactaca ccaggggagta tgactactag tatgactatt aggagggt 538

<210> 404
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 404
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 tgcaaaatat agtgatagct cctactgggc aatacaacag tagaacagtg ggttttgtaa 120
 aatgggaatc caggaacaga agaataataa taaattgatt taaataaact gattgggttaa 180
 tttcagaata cttcatatta ctttttttcta agagttaaag cagaaaggac tttcttactg 240
 tgctgactca gacagcctgg actctcatgt ttttaggaaa attttgtctg ttctgggatc 300
 tacctgcttc 310

<210> 405
 <211> 559
 <212> DNA
 <213> Homo sapiens

<400> 405
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 catgctgtaa tgttctctct tggcactaaa ggctgactgc agccggcaaa aaagaatgta 120
 agtatgaatt tataaaaaaca ttttagatgg ctgacaacgg atcttatttt taaagaatat 180
 gtctaattca gaggatcgac aactaatcca tttcaataaa acaatgggga attttttatt 240
 gaataaaaat gtaatatgca taaaaactca agaaggcttt ttaaaaatac ttctcccca 300
 atcattatcc catacttcat gctaattttt aaaagaatct tgaaatcttg aaaacaagat 360
 gaagagaatc ttgttttaag tgacaagtta acattattcc tatattaaat gtcaaactgc 420
 tattaatgag tagaagtagg aacaaacccg gatcttagga tcctgtccag ggctcattcc 480
 ataactccta tatcaciaag acaagatctg gaaccagaaa acagtcatca tccaatgtgc 540
 atcagccttg cggcaacag 559

<210> 406
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 406
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 gaataacctg cattatagct ggaataaact ttaaattact gttccttttt tgattttctt 120
 atccggctgc tcccctatca gacctcatct tttttaattt tattttttgt ttacctccct 180
 ccattcattc acatgctcat ctgagaagac ttaagttctt ccagctttgg acaataactg 240
 ctttttagaaa ctgtaaagta gttacaagag aacagttgcc caagactcag aattttttaa 300
 aaaaaaatg gagcatgtgt attatgtggc caatgtcttc actctaactt ggttatgaga 360
 ctaaaaccat tcctcactgc tctaacatgc tgaagaaatc atctgagggg gagggagatg 420
 gatgctc 427

<210> 407
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 407
 acaatttgta gttgtttcca ggtttggcta ataatcattc cttaacctag aattcagatg 60
 atcctggaat taaggcaggt cagaggactg taatgataga attaaattag tgtcactaaa 120
 aactgtccca aagtgtctgt tcctaatagg aattcattaa cctaaaacaa gatgttacta 180
 ttatatcgat agactatgaa tgctatttct agaaaaagtc tagtgccaaa tttgtcttat 240
 taaataaaaa caatgtagga gcagcttttc ttctagtttg atgtcattta agaattacta 300
 acacagtggc agtgttaaat gaagatgctg tctacaaggt agataatata ctgtttgata 360
 ctcaaaacat ttttcatttt gtttaaagta gaagttacat aattctatat tttaagtct 419

<210> 408
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 520
 <223> n = A,T,C or G

<400> 408
 acatttgatg ttatgtgaat gttgagtttt tttcttctaa ttttcacttc agcagtgttt 60
 agggctttca gatgccttat tccagtgtga acagaaaaag ttcataattt atgtgggttaa 120
 tgctttgatg tgtcacataa agagtagttt gtagaaaatg ttggcacaat ttttaacttct 180
 tagtggcttg tgacattata tattatatat atatgtatat atatctttat aacattcctg 240
 tgttttagtag tgtaaagtgt ctgggcaagt tttaatattt tgaatgcctt tggatattcc 300
 agcaataaag gcatcatggt ctgcaatagg atttcttact catttaccta ttttaacact 360
 aaaatagacc acaactgagc acaaattcct tttataaatg ttatagaagc agggaagaat 420
 aataaacaca tttgtgaatt gtgggttcagt ttatttatct ttagggaagg ctgatcattt 480
 atcttatagc acataacccc agcctcttat tcattatggn taa 523

<210> 409
 <211> 191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 156, 190


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<210> 413
<211> 554
<212> DNA
<213> Homo sapiens
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<400>	413						
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taatcttcaa	attatatagt	tatgcattga	gttccctatg	catctcacc	atctccctta	180	
tctcagcctt	ctcatacttt	gccatttctt	tctttctgga	aataaccagc	acaacaattc	240	
cagcaacaac	tgctatcacc	acaaccacaa	taacagcaat	aacaccagct	tttagaccct	300	
gcattgagaa	ttcagggtgt	ttttcatcaa	cataataaat	taaagtttga	ccagggatcca	360	
gatccagttg	tctcccattt	actgtcaggt	gccattttct	tagaatgaaa	caaggattcca	420	
cctttaacat	ctttttcaaa	ataataagcc	acatcagcta	tgtccacatc	attctgagnt	480	
ttttgagaag	aattttgaac	cagatcaata	gtgataacat	tatttctcata	caaaaatactc	540	
gngataaatt	ntgg					554	

<400>	414					
accagaaagg	cacacgattt	tacaatat	gttggaaatta	ccttactttt	taacctcctc	60
atagcagttt	tgttttgagt	atattgatga	aagccaaagt	ctggtatcta	aaacttgggc	120
caatgtttcc	caactgggat	atgtcaggct	ttcccaatag	cttaactgtg	accctatacg	180
gatggctttt	tagatagttc	tatactgctg	tattgtgtta	gcacttttct	ttgtcattaa	240
caacacactt	taaatagcac	ttgggtga				267

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<210> 415
<211> 454
<212> DNA
<213> Homo sapiens
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<400> 415
accggaacct gcagaaacag tgtgagaaat taagtctctgg ttcactgcgc agtagcaaag 60
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ccactcatc tcaaatacat ctgctatctt tttaaagctaa gtcctagaca tatcggggat 180
aacatggggg ttgattagtg accacagtta tcagaagcag agaaatgtaa ttccatattt 240
tatttgaaac ttattccata ttttaattgg atattgagtg attgggttat caaacaccca 300
caaactttta ttttgttaaa tttatatggc tttgaaatag aagtataagt tgctaccatt 360
ttttgataac attgaaagat agtattttac catctttaat catcttggaa aatacaagtc 420
ctgtgaacaa ccactctttc acctagcagt atga 454

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<210> 416
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 416
 ccgacacggt gccagcgccc tgctgctgctg ccgccagcta caatcccatg gtgctcattc 60
 aaaagaccga taccgggggtg tcgctccaga cctatgatga cttgttagcc aaagactgcc 120
 actgcatatg agcagtcctg gtccttccac tgtgcacctg cgcggaggac gcgacctcag 180
 ttgtcctgcc ctgtggaatg ggctcaagggt tcttgagaca cccgattcct gcccaaacag 240
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 cgggggctgg tctgatggaa ctgtgtattt atttaaaact ctggtgataa aaataaagct 360
 gtctgaactg 370

<210> 417
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 417
 acactttata tattccaaat tgatcagata tatggtttgc aaattcatct caatctgtag 60
 cttatctttt cctcttctta aatcacaagt ttttaaattt tgaagaagtc caatatatca 120
 gattttgtct tttatggatg tgctttcggg gcaaagtcca agaacttgtc acctagccca 180
 agatcctgaa gatttttctc ctgtggcttt tttcaaagtt atctagtttt atgtatcaca 240
 ttttaagtccg ttatacattt tgagttaaat tttatataag atgtgagggt taagtagagg 300
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 ttcttctctc attgaattgc tttttcactt tttcaaaatc agctgagcat atttatatgg 420
 gtttattttct ggggttctctc atctgttcca ttgacgtatg tgt 463

<210> 418
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 418
 ttagcatttg cttttatttt tttactttga tgccctttca aattggcatg tctttaaagt 60
 atttttcttc ctgattaaaa atgtgtgtgt atgtgtgtgt gtgtgtgtat atatatatat 120
 ttttaaataca catttaatttt accaagtga accaagccat actgtttttg agccaattaa 180
 gaaaattgcc attttttaaag tgtagcattt cagggtaaag acccatgaaa tggcttgatg 240
 tattctagac tactgaaaga aaaccacttc aaagattttg ttgaaagttt tagtgttgtc 300
 tgaaatgcaa gagggaaggt gattggtagt gagt 334

<210> 419
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 419
 acttctttga ccaaggaata ccacagacac cctaccgata gaacagtggc tcagatctta 60
 cttgctcctg cttacgaagt attcccaatc actggctatc tgaccctact tgaacactcc 120
 tgaacagtca tgttttttaa aatcttctt tatatcaagt cagagagtat acttctataa 180
 atttactca tggatgttag gaaatctagt catcttccct gtgattgcc tgttaagtat 240
 ttaaccatag ctatcatgtg tttcccaaat cttctctaga ttaaatactc tcagtta 297

<210> 420
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 420
 acgagaggaa ccgcaggttc agacatttgg tgtatgtcct atcaatagga gctgtatttg 60
 ccatcatagg aggcttcatt cactgatttc cctatttctc aggctacacc ctagacccaaa 120
 cctacgccaa aatccatttc gctatcatat tcatcggcgt aaatctaact ttcttcccac 180
 aacactttct cggcctatcc ggaatgcccc gacgttactc ggactacccc gatacataca 240
 ccacatgaaa tatcctatca tctgtaggct cattcatttc tctaacagca gtaatatata 300
 taattttcat gatttgagaa gccttcgctt cgaagcgaaa agtcctaata gtagaagaac 360
 cctccataaa cctggagtga ctatatggat gccccccacc ctaccacaca ttcgaaga 418

<210> 421
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 421
 acgcctggac ccctgtgact tgcagcctat ctttgatgac atgctccact ttctaaatcc 60
 tgaggagctg cgggtgattg aagagattcc ccaggctgag gacaaactag accggctatt 120
 cgaaattatt ggagtcaaga gccaggaagc cagccagacc ctctggact ctgtttatag 180
 ccatcttctt gacctgctgt agaacatagg gatactgcat tctggaaatt actcaattta 240
 gtggcagggt ggttttttta ttttcttctg tttctgattt ttgttggttg ggtgtgtgt 300
 gtgt 304

<210> 422
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 422
 actgtgcagg cagattcaca ggggtggtggt aaagcatcca caatggctct ggcagcatca 60
 ggatcacact tgaaggggct ctgagacaaa gttgtattca tgcaactgat tccttttcca 120
 ttctgtttct tagtcactaa tgctttccaa tgggtcatgag tgcttttaaat aatatcaatg 180
 gcaaagtcct tatctttaaa ttctgcatta aacgcaaact catcttcttg ttttccatca 240
 ggaaccttat accttctaaa ccagtccaca gtagcttcta agtagccagg tttcagccgt 300
 ttgacatcat tgatatcatt ataattggct gcatcaggat catccacatt aatggcaatg 360
 actttccagt cggtttcccc ttctgcaatc atagccaata tgcctagaac tttcaattat 420
 ttatttcacc tcttgacat accttgcttc caatttcaca cacatcaatt gggtcattgt 480
 caccacaaca gccagtatgt ttatcattgt gcctgggtc ttcccaagtc tgagggatgg 540
 caccatagtt ccagatatat cctttatacg ggaacaaa 578

<210> 423
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 309, 312
 <223> n = A,T,C or G

<400> 423

```

acagtatatatt tttagaaact cttttttcta ctaaaacaaa cacagtttac tttagagaga 60
ctgcaataga atcaaaaattt gaaactgaaa tctttgttta aaaggggttaa gttgaggcaa 120
gaggaaagcc ctttctctct cttataaaaa ggcacaacct cattggggag ctaagctagg 180
tcattgtcat ggtgaagaag agaagcatcg tttttatatt taggaaattt taaaagatga 240
tggaagcac atttagcttg gtctgaggca gggtctgttg gggcagtggt aatggaaagg 300
gctcactgnt gntactacta gaaaaat 327

```

<210> 424

<211> 384

<212> DNA

<213> Homo sapiens

<400> 424

```

acgaaaaata aatctcctta aaaactaaat aaaatgcact gtattcttac agttaatggt 60
tataactata gtaaaaaatt aatatatata ctattacata aatggtattt cttaggtggt 120
ccattaagaa gagcaataga ataatgctaa aaaataatgc ctataaatct tcagagtata 180
aagacatcca ttcagaaaca aaaattagca ctaaattttt tataaaatag accagatgac 240
aaaatttatt ttatttttaa acagtgggtt tgacacaaat tatgttattg aaaagcatta 300
ttaatgttta atttatttaa aattttggaa tttgccattt ctcagagaat gatcaggcct 360
taggaaatta atacagtagt agta 384

```

<210> 425

<211> 255

<212> DNA

<213> Homo sapiens

<400> 425

```

actatcaggc tttgtgctga tttcctgaac aaactgcatt atattatgaa aacaaaagga 60
aaagaagaaa taataaaaac tataactcca tatttcactt acagtgtttg agttcctgga 120
aggacctata taatggaggc agcattcaaa caagaaatta tgccaatcaa ctgtcaaatt 180
ttcactataa ttttcctaaa aaggcggttt tcccccaata tctattaatc tcaaagaaac 240
ataagttgtg aatgt 255

```

<210> 426

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 10, 11

<223> n = A,T,C or G

<400> 426

```

acatgaantn nccaggccca cacagccaga cagcaacaga accaagacct agggctcttc 60
actcctgtta catcacacca tggcaatgat ttacattct ccaactgatt caaatcatat 120
ggcagctagg gatttggggg ctccatgttt tatttcaatt gcaagttcaa gatttctttt 180
tatctttgtg ggctga 196

```

<210> 427

<211> 163

<212> DNA

<213> Homo sapiens

<400> 427

```
acagaagatc catggaggca agtgctgtca ggaaggacac tgcctccctc caccctccca 60
aatgtcacca ccaagttcct tcaggtgaga cctcacacaa tgtcaagtgc tttctaggaa 120
atactaagat caggttgaga gattctgctt ggtctagtca atc 163
```

<210> 428

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 10

<223> n = A,T,C or G

<400> 428

```
nactgagtan agatgctggg gaatgtgcaa tatgccttga agaattgcag cagggagata 60
ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat gaatgggttg 120
aagtaaatag atcttgccct gagcacccct cagattaagc gtcagcttcc tgttttatag 180
gttttcttgt cttgacaaga tgcttgaaaa accaagagga tatgaaaatc tgtctctgga 240
gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact tggtaatata 300
gagatggaca atcgt 315
```

<210> 429

<211> 131

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 42

<223> n = A,T,C or G

<400> 429

```
acagttaggn actagaacat ttgttaagcc tcccaaagta gngtgcacatg aagattctag 60
agtggtccagc tcttgcaact caaatgtaat aataacagaa taaatacact taccctgatg 120
atattgaggg t 131
```

<210> 430

<211> 503

<212> DNA

<213> Homo sapiens

<400> 430

```
actgattttt aataaaagaa ataaggttca aagtttagca caacaacaca gcaataagaa 60
gctgacaact tggataaaaa tacaagaaag taacacagag ccagagctac ccattattta 120
ctgtgtgcat acaggaatgc tatacttcag atgtataaat tagagactga ttttaagtta 180
ttaatttaac tactttttgt ccactgtgct aaactaaatt ttataactaat gtgctactgc 240
gtaaacactt caaagcaatc ttcattaaaa tgctgcaaag aaaaacaaga atacacatca 300
tccaaaacta aggatgtcat tgcagttcac agtttgtata ataaataccc tccctttcaa 360
tcactactaa gatcactaca tcctatctac tcacagcac aaccttgaag caacttatac 420
ttacaaatat tagcaatgca gccaaacatt tgttttttgc aaagcaacta gtaaaaatca 480
agaattttta ttaagacggt gca 503
```


<210> 431
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 431
 acaagtgtgg cctcatcaag ccctgccag ccaactactt tgcgttttaa atctgcagtg 60
 gggccgccaa cgtcgtgggc cctactatgt gctttgaaga ccgcatgac atgagtcctg 120
 tgaaaaacaa tgtgggcaga ggcctaaaca tcgccctggg gaatggaacc acgggagctg 180
 tgctgggaca gaaggcattt gacatgt 207

<210> 432
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 43, 56, 59, 435, 438, 453
 <223> n = A,T,C or G

<400> 432
 aaaaaaagta atggaaaaat gggtgcaggt ttaatcncaa aangaactta attttngtng 60
 attttgtttt atctgctaaa acactaatat ctataaatat gaactgacag catcgttcta 120
 aatttacttc tgaagagctg tcgagacttc aataaaatat aagcaagtta ctggatcata 180
 tttatggact gctgaattaa ctacccgaaa agtatcagtt actttcaaag aacacaaaac 240
 aaagtgaacg tggaaaaaag ccttcctttgc aaaagtcctt ttattagtcc taccctctaa 300
 aattccaagc cacagagcct tgatattcct ggattctggt ttaagtaacc ttagttttta 360
 atatgacact tgggatatgc acaatgggaa agggtaggat atgtgaacaa aatttaattt 420
 cttttttcca aaggnagnca ttttctttta atncatccta tccacttttg cccacttccc 480
 catgt 485

<210> 433
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 433
 actgtcacta caatattaca ttctgcaaat gttattctgt tgtatcagat acaaaatttt 60
 agtgaggtat ctctaaggca catagtagaa aacaaaattg gtttaattact caagttcctt 120
 tcaactgtgat ttggaaatga tttaatcttt atagaatgag aacctttttt ggactagctt 180
 ttttattaaa atggctcaat ttgtgttgat aaggattgca ttaatatatta atagtgcctt 240
 cttttcctct gggcacacca ttttgatcat taaccagagt 280

<210> 434
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 434
 ctttgctgcg catcaggtgc ttttaagcttc ggaacaactg tgcaggattc tatttttagta 60
 ttctggaagc atcattgagg aagtagtcca gtgaagttag ctctaaaaaa actctttact 120
 ctaacaatta aaagaaatat gccaaaggat ccataaggga tgaataaatt attaaactat 180

taagaagttg ctataaatat gcagtgttaa ttcaataatt cataacggac tggt 234

<210> 435

<211> 330

<212> DNA

<213> Homo sapiens

<400> 435

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acctcccggtg tcaccagttc ccacagaagc actgcaaaac tccacatgtc tgctgagcgt 60
ctgtttgtgt cttcaggctt cttctgcaga gcttcggggg ctaccaggc aggtgcatac 120
atgcgaccag gacattggaa agagaacttg acatcagcca tgctaattcg ggcagtcagt 180
tcctcatcaa tcattacact acggctattg agtgcatgtc gtgggatgag gggctctagt 240
gtgtgtagga aagccatgcc ccttgccatg tccaaagcaa acttcacagc ctggctctgg 300
tccacgacga aattggtgcc ttcatgtagt 330
```

<210> 436

<211> 311

<212> DNA

<213> Homo sapiens

<400> 436

```
acaactttac aatggaattg tatttcaatg attatittga tatcagatta aaccttccaa 60
aaagttacac ataattcagg tctatitttt ctaccagtaa gagttctgct aaattacaaa 120
accccataat cacagtgttc agttttttaa aaattaaaca cacagtaatc ctgtcaatgt 180
taatcaaaat caaaacttcg gaatgccgtg gcatttatgt gaccaatctg agtttttagat 240
acaaatacca gctgtttatc ccatgaacca tttttcctag gctgaggctg tgaaaaatcg 300
aaagtcggcg t 311
```

<210> 437

<211> 355

<212> DNA

<213> Homo sapiens

<400> 437

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actagtggat gggggtcagg gtgtcactcc aaggccctct acagaccag agaagaggaa 60
agtcaaaaaa gccagatatg agactgctga agtggtgtta agaaatatag gcaaggtaaa 120
gggaacaaga tctgggctcc ctctactctg tgtccctcac tggacctcag acaccctacc 180
tctaagactg gttcttagaa ggctgaacag taaggagcat tccaatagct tctgaaactc 240
ccaaggctgt ttcaagtagt cgaaagccat ccctggactg ttcagggtgcc ttttctattt 300
cccacctgag ctctctgccc tttcttttag cctcacaggt ttccagaatt acagt 355
```

<210> 438

<211> 431

<212> DNA

<213> Homo sapiens

<400> 438

```
acagtaactt taactttaca tagagctgag ataaaaataa agctttctta caaattacat 60
tttttttcca gtgaattact tttgcagtaa aaatagctgc tacataaatc cctcctgac 120
tctgaaaagg agttgcatac ttccaaaaat aatattctta ttttaatcac acagaagaac 180
gtggagcaca ggaaggaaat ggctgggtgg tcagagagag gtgagctgtc ggagaaacac 240
agttaaaacta aaaaataaaa tccattttgt gtataaactg acttaaacgc atgcaaagaa 300
gtggaaaaca tatgccattt gtcaagaaaa atactgcttt atagctttta ctttacaatt 360
aaaggagaaa gcagaggcca gatataagcc cagataataa catttaagtt tctcataaaa 420
```

ctcccaaagt t

431

<210> 439

<211> 170

<212> DNA

<213> Homo sapiens

<400> 439

actgtcataa aaaacagtgg agctctgtat tagaaagccc ctcagaactg ggaaggccag 60
 gtaactctag ttacacagaa actgtgacta aagtctatga aactgattac aacagactgt 120
 aagaatcaaa gtcaactgac atctatgcta catattatta tatagtttgt 170

<210> 440

<211> 400

<212> DNA

<213> Homo sapiens

<400> 440

acgtaaaaag aacatccttc ccatcttcaa ggtcaagatt gaacgctgac tcctgcagga 60
 agtcttccag gattcccagg caggaatgat ggctccctgt ccctgtagct ccaggagttc 120
 ttgcttcacg cacgcctcac ataccagact gaatggtggc aggaggagtg accagggtcg 180
 tcatctgtgt ccctaccacc tacaacaggc cagcaatcta cccgtgtgtg tttggtggac 240
 agaattaacc atgatgggcg gccgagggcg cctggagcta tttgggggct tggagagaac 300
 ctcttaggag agtgtcaggc tctaggccag tgtcaccaga ggaggtcagt ctcagtcctt 360
 ggagtgggtg gatggaaacc agacgggact ggcattggtcc 400

<210> 441

<211> 204

<212> DNA

<213> Homo sapiens

<400> 441

acctagttag ttcttaagat cagggtgtata aaactgtgga gtggagcggg atgggtatgga 60
 atgacttgga atgtaagctg tcagggagaa aatggttgta cacttttgct aagatctggg 120
 ggtttcttca tatttctgct gttggaagca gttgaccaga aatgcttgcc agtactgcca 180
 aagcactgct gtgaaatgtg aagt 204

<210> 442

<211> 649

<212> DNA

<213> Homo sapiens

<400> 442

acatttaatt ttttacaaca ttttctccct agagatataa tttagatatt cctatcttca 60
 aagtaaaaat caaaatagga aataagcata gaaacagcct attggcagtg gttacacctg 120
 catggatatt atgagttctc aaactatttg aaatttattt caaccaagggt tctcttaagt 180
 cttcattact tgggtgtaac tcgagagaaa actaatattt atcaattttac agtttagtgg 240
 tcatgatcag gggaaagtga tactcttcca ctgactacaa gtcattgcag aggcagttta 300
 gaacttttcc tttattccta atatacagga caaaccttgc cgacatctca ctacctcaa 360
 aatcaaattt aaatgaagta tcaggagta gcctaaagaa tgagtgtaat ctggatggat 420
 tttagtctaa atttatgcct tgctcttcag taaagtatag taactccaga tatatgttcc 480
 acagatgcaa taatttctgt tccttggtcg gtgcagaata taatttatac ttctgaaat 540
 caactttgtc tattcatgaa aatagctgct ttttatttgc ctttgtctca ctttgaatat 600
 atatgatcca cagggttacag acttttccaa taactacatt tcaacttgt 649

<210> 443
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 443
 acgtgggatt gaaatgcaca tacatgtttt tgctaagagc acatacattt cattctcctc 60
 actttgttca taacctcagc attgtcagat aacctcagtg agttaactca aagcctttta 120
 ttatggaaag aactggcaca gttacatttg ccagtggcaa catccttaaa aattaataac 180
 tgatgggtca cggacagatt tttagacctag ttcttttttc ttttagagca aaaagaactt 240
 ttacctcggc atccagccca acccctaaag actgacaata tccttcaagc tcctttgaaa 300
 gcaccctaaa cagccatttc cattttaata gttggatgcg gattgt 346

<210> 444
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 444
 accaattttcc ttttacagta aaggggcttt tcctgttgct tgttgaaccg gttcccagct 60
 gccattacc accaagccca aaagagtaaa ttctgtcctga tgaaggaaca aaagcagaag 120
 tgtgctgccg tccacaagca atctcagtga caatgcttcc cataagttca aaaactttcc 180
 ttgggtttat ttcatgactg gtagaattat ggcccaactg accataccct ccagctccaa 240
 aagtaaacac tccaccttcc ttggtttagag cagcagtatg atcttctcca caacaaatat 300
 aaactatttt ctgagatctt agtgacttta gtaaattagg aacataccta tcattttcat 360
 cattaagacc tagctgacca aacttgttgc gtcccatcc aaagatagct ccagaaaggg 420
 tgagt 425

<210> 445
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 445
 nactgtccca atataaaaca gtaattatth gacctttgca ctgtttgtct ggtccttttc 60
 agtttgattg catataaatg tggaacttga tagatctcta ttttttaaat gcacttgtga 120
 taaactggca gcagggttag acattacttt caaagcttga ggtagaccga gtcagcatgc 180
 tagacaggct tctctctcta accaaaactg 210

<210> 446
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 446
 tcgaaagacc cctgtaaaag agcccaacag tgaaaatgta gatatcagca gtggaggagg 60
 cgtgacaggc tggaagagca aatgctgctg agcattctcc tgttccatca gttgccatcc 120
 actaccccggt tttctcttct tgctgcaaaa taaaccactc tgcccattht taactctaaa 180

```
<210> 447
<211> 304
<212> DNA
<213> Homo sapiens
```

<400> 447						
ncntcnaggt	acatgctaga	agtctgatgt	ngtnngtaac	acagaaacat	acacagtctt	60
catattcaaa	gtcttcacng	ggatgtcggt	ctgtaatttc	ctgcgtttgg	gtctcttcca	120
gaaacagctt	tagcttcctg	ctccgaaggc	caaacacctt	ggctgcttca	tacagaagac	180
cttggtgggg	gagtcattc	tgcccaagtg	ggttttcaag	caggagagtg	cccactgtcc	240
ccattaaaca	ctcttggtgc	tttgcatcca	ggagctgtag	gttgatatac	tgacaaggaa	300
gagt						304

```
<210> 448
<211> 203
<212> DNA
<213> Homo sapiens
```

```
<400> 448
acatgaaagc ggcaatgcgg taaaaagcga attcttacc c aaggtcagaa ttttttatta 60
agcgcatttt cattagttgg acaacaacc ttataaaccc ttatgtcaaa ccatataatg 120
tgaagaatat ccattgggga gatttttttt cacccttcag aattatcttt ttcccctaag 180
acctctatat gaatcttcct tgt                                     203
```

```
<210> 449
<211> 481
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 458  
<223> n = A,T,C or G
```

```

<400> 449
acttgttcta taatactctg atgtttcctt aaatttcctga acaacattct gtttactaaa 60
tttcttttct tccttttattc acaccaaatt ccaccctata atagaagcta attattttcag 120
aaagcttttt agtgatcatt tattactttg tgtttactag atattaattc taagatgaat 180
tccttttagaa ttttagaaaa aattattcta gacaacaatc aaagtaaagg atacatccag 240
cattgaaaacc ataagccggc aagtctccag gttaaaaagg ttgtatcctc cagcaatgcc 300
agactgtgtc agacatctct gcaattcatc agcatctatc tgccatcctt gtccagctac 360
agcagcaaaag taaccataca gcggatcctg agtttgtcg ggaaacgcag gccctccggg 420
agccctcca tactgcatct tgagttgaag tcttatangt agaagctggt gatccttaga 480
g

```

<210> 450
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 450
 acatggttta atacaacaac aaaaaaattt aatcaagtga aacgtaataa actgaacaat 60
 aaacactcaa aacattttcc attggaaaca tgtaaagaca atatgagggtt ttgttaccat 120
 cttactgcaa ttttcttatg tgttactagt ctacataccc catgttttct gtaatcatgc 180
 agatgtgaat ggaagtttga atgattaaat aaatgaaaag tccgtttact gcaggggaatc 240
 atttcacaag gcagccaaac cgggttttaga gaacaaaact attcaagaaa ttctcc 296

<210> 451
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 20, 198
 <223> n = A,T,C or G

<400> 451
 acatgntcca aggcacgcgn ctgtgaactt cctctgagtg aaggcatccc ctccagcacc 60
 tttcagcctg ctagtttagga cgacccgccc ccaccctcca ggacctccag ccctgcactg 120
 cctttcctct cttttaaata attcttcatt gagttctaata atgtaaaaaa aaagtttact 180
 gtaaagtttg caaataanga aatttttttt aaaagtcctc agtaatctta ccagtaacaa 240
 ttgttatggg cacatttgct tttggaagat ttcttttgta tgcatgggat aagt 294

<210> 452
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 452
 acttttagat cacaaatttg cctttaagta acacataata cacttaaggc agatttgcct 60
 tacagggtggc ctacagcttct aaacaccact acactgcttt atataaaaaa caaaaatcac 120
 atagaagag 129

<210> 453
 <211> 151
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 10, 44, 46, 47, 150
 <223> n = A,T,C or G

<400> 453
 actctcaann tgtatttagg tgccaacaca tttaggatca ttgngnnttc tcagtgaatt 60
 gaccttttta tgagaataaa atgtctatct ctgaaatgtc cctatttctg gaaatgttcc 120
 ttataactaaa gtccaacttg tgtggattan t 151

<210> 454
 <211> 119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9
 <223> n = A,T,C or G

<400> 454
 tgctgatgna gcatgctttt taaatccttt aaaaacactc accatataaa cttgcatttg 60
 agcttggtgtg ttcttttgtt aatgtgtaga gttctccttt ctcgaaattg ccagtggtgt 119

<210> 455
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 455
 accttataaa gttccttttc atcctttctct gtcttcaact gacattcaag ttgtttctctt 60
 tcatgttggtg ccttcttgag ttgggccttt aaactgtcta attcggtttc tttttcaatt 120
 gctttatgtg ttactgacac aatatcttcc tcaagctgat gggctttgga tgtagcatca 180
 ctgaacctct tcttaaaactc ttcattttcc atttttaagc ttgtgtttac ttcagtaaga 240
 cctttttgtt ctgcttgacg ttggtcacat ctttctttct catgggtaag ttctctttcc 300
 attctcccaa cttgtttctcg aagttgtgct gtttcttttt ccagaacggc aattaacttt 360
 aacagttctt ctttttcttt catgggtttc tcaattttca actcaagaag gcctgctttt 420
 gtggtcacca ctaacatgtc agaatttctt tcatcttcca tagtaagcag ctcttcaact 480
 ggagaagaag ctcgaaactg gaaaggtgta cctgc 515

<210> 456
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310, 326
 <223> n = A,T,C or G

<400> 456
 actccctcc ccaaatagaa acctcaaaga ctgatccatt tcccctaggg cctggggccag 60
 gagtagctca ctgctcactg ctgaggagaa aggcacaaga tataatgtca taagagcagg 120
 acagtggctc agcctacaga gttccctata ggggaaagaa ggcaggaaat aggcgcaggg 180
 tctggctctg tccctgcacc acctgagca gctagtcttg ggaagggatt acaggccctg 240
 ggccataggc tgctcgccat tctgctttcc tctcctgttt ctctccctgt gctgctccct 300
 ttttagccagn gctgagaaat gttcancacc tgaggcaaaa ctgccatagt 350

<210> 457
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 457

```
gcagggccaa cagtcacagc agccctgacc agagcattcc tggagctcaa gtcctctctac 60
aaagaggtgg acagagaaga cagcagagac catgggaccc ccctcagccc ctccctgcag 120
attgcatgtc ccctggaagg aggtcctgct cacagcctca cttctaacct tctggaaccc 180
accaccact gccaaagctca ctattgaatc cagccattc aatgtcgcag aggggaagga 240
ggttcttcta ctgcccaca acctgcccc gaatcgtatt ggttacagct ggt 293
```

```
<210> 458
<211> 500
<212> DNA
<213> Homo sapiens
```

```
<400> 458
actagactcc agattaccct ttcttaataa atatctcagg gtaaggaaag aaagaaactg 60
tatagatata tttaaaatag agaatacttt ccaagcaata catgatgcct ttcctaaaag 120
actctaaaag aaaaagattc tgtaactctc ttttagcacc aaattattgt ttatcttgct 180
ggatatttta tatgaacagt gttaatttag atgcactaaa gcaaaggtag gcaaactaca 240
accatgagtc aaacatggcc acaccattc atttgctatt gtctaagctg gttttgcact 300
acaactgcag agttgaatag atgcagcaga tcctttacag aaaaagtttt ctgacctcaa 360
ttctaaagta attgtagtag ggagctggag gactttcttt ccctttatgg taattttttg 420
agctacaaaa agagccttgc agaaatgggt gaagggatta atctttttaa aataaatgct 480
atatattagg aaaataaaaa 500
```

```
<210> 459
<211> 394
<212> DNA
<213> Homo sapiens
```

```
<400> 459
ggtgaaaaga cttgattttt tgaaaggatt gtttatcaaa cacaattcta atctcttctc 60
ttatgtattt ttgtgcaacta ggcgcagttg tgtagcagtt gagtaatgct ggtagactgt 120
taagggtggcg tgttgcaagt cagagtgcct ggctgtttcc tgttttctcc cgattgctcc 180
tgtgtaaaga tgccttgctg tgcagaaaca aatggctgtc cagtttatta aaatgcctga 240
caactgcact tccagtcacc cgggccttgc atataaataa cggagcatac agtgagcaca 300
tctagctgat gataaatata cctttttttc cctcttcccc ctaaaaatgg taaatctgat 360
catatctaca tgtatgaact taacatggaa aatg 394
```

```
<210> 460
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 4
<223> n = A,T,C or G
```

```
<400> 460
actnccgatt gaagccccca ttcgtataat aattacatca caagacgtct tgcactcatg 60
agctgtcccc acattaggct taaaaacaga tgcaattccc ggacgtctaa accaaaccac 120
tttcaccgct acacgaccgg gggatatact cggatcaatgc tctgaaatct gtggagcaaa 180
ccacagtttc atgcccacg tcttagaatt aattccccca aaaatctttg aaatagggcc 240
cgtatttacc ctatagcacc ccctctagag caaaaaaaa 279
```

```
<210> 461
```


<211> 278
 <212> DNA
 <213> Homo sapiens

<400> 461
 tttggacact aggaaaaaac cttgtagaga gagtaaaaaa ttttaacaccc atagtaggcc 60
 taaaagcagc caccaattaa gaaagcggtc aagctcaaca cccactacct aaaaaatccc 120
 aaacatataa ctgaactcct cacacccaat tggaccaatc tatcacccta tagaagaact 180
 aatgttagta taaagtaaca tgaaaacatt ctccctccgca taagcctgcg tcagattaaa 240
 aactggact gacaattaac agccaatatc tacaatca 278

<210> 462
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 462
 aacgtccaag ggggccacat cgatgatggg caggcgaggag gtcttggtgg ttttgtattc 60
 aatcactgtc ttgccccagg ctccgggtgtg actcgtgcag ccacgcacag tgacgctgta 120
 ggtgaagcgg ctgttgccct cggcgcggtat ctcgatctcg ttggagccct ggaggagcag 180
 ggccttcttg aggttgccag tctgctggtc catgtaggcc acgctgttct tgcagtggta 240
 ggtgatgttc tgggaggcct cgggtggacat caggcgagcag aaggtcagct ggatggccac 300
 atcggcaggg tcggagccct ggccgccata ctcgaaactgg aatccatcgg tcatgctctc 360
 gccgaaccog acatgcctct tgtccttggg gttcttgctg atgtaccagt tcttctgggc 420
 cacactgggc tgagtggggt acacgcaggt ctccaccagtc tccatgttgc agaagacttt 480
 gatggcatcc aggttgccag cttgggttggg gtcaatccag tactctccac tcttccagtc 540
 agagtggcac atcttg 556

<210> 463
 <211> 659
 <212> DNA
 <213> Homo sapiens

<400> 463
 cacactgtgc ccttccagtt gctggccccg taaaaaggcc tgaacctcac cgaggatacc 60
 tacaagcccc ggatttacac ctgcgccacc tggagtgcct ttgtgacaga cagttcctgg 120
 agtgacagga agtcacaact ggtctatcag tccagacggg ggcctttggg caaatattct 180
 tctgattact tccaagcccc ctctgactac agatactacc cctaccagtc cttccagact 240
 ccacaacacc ccagcttccct cttccaggac aagagggtgt cctgggccct ggtctacctc 300
 cccaccatcc agagctgctg gaactacggc ttctcctgct cctcggaaga gctccctgtc 360
 ctgggcctca ccaagtctgg cggtcagat cgcaccattg cctacgaaaa caaagccctg 420
 atgctctgcg aagggtctct cgtggcagac gtcaccgatt tcgagggtg gaaggctgcg 480
 attcccagtg cctggacac caacagctcg aagagcacct cctccttccc ctgcccggca 540
 gggcacttca acggcttccg cacggctcct cgccttctct acctgaccaa ctccctcaggt 600
 gtggactaga cggcgtggcc caagggtggt gagaaccgga gaacccagg acgcctca 659

<210> 464
 <211> 695
 <212> DNA
 <213> Homo sapiens

<400> 464
 accttcattt gaccccatca gcttcagggc cttctttaca tttccactgg cctgatccat 60
 gtatgcaatg ctatTTTTgc agtgatatgt gatgttctgg gaagctcggc tggagagaag 120

```

tcgaaggaat gccagctgca catcaaggac atcttcagga agttcaggat tgccgtagct 180
aaactgaaaa ccaccatcca tggactctcc aaaccaaaacg tgtttcttct cagcactaga 240
atctgtccac cagtgtttcc gtggaacatt caaaggattg gcacttatgc atgtttcccc 300
agtttccata ttacagaata ccttgatagc atccaatttg catccttggg tagggccaac 360
ccagtattct ccaactcttg gttcaggatg gcagaatttc aggtctctgc agtttctagc 420
gggggtttta cgagaaccat caggactaat gaggtcttct atttgtccat taacagactt 480
gagtgaagtc ataatctcat cgggtgtgat ttgaaatcc attggttcat ctccataata 540
cggggcacaaa ccgccagctt tttcacctcc aatcccagca atggcagcgg ctccaacacc 600
accacagcaa ggaccagggg caccaggagg tccaggaggg cctgggtgcc ctgggtggcc 660
tggggagccc tcagatcctc tttcacctct gttac 695

```

```

<210> 465
<211> 73
<212> DNA
<213> Homo sapiens

```

```

<400> 465
caggtccaga gctcccaggt ttccagggtg cagtccctcc agtcccagag ctcccagggt 60
ttcggtttcc agt 73

```

```

<210> 466
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 15, 453
<223> n = A,T,C or G

```

```

<400> 466
agcactggca gaggnagcca aatatagtga tgtgcgccag agataagtat tctcctctcc 60
aagcatattg ctatacaaga ctttaaagac ttcataaaag ccaaacttgc agagtccctg 120
catggagtga ccaaggaaag tcggagccca tccttttagcc aaaccacgaa caccatcctc 180
tttaagtgtg actgagaatc cgttaaatat gcccttgtag ttttgggggt ccacctgcac 240
acggcatttc actaaatcca ggggaaccac agcagtgtgt gtcagaccac aacttaagac 300
cccaccaaag ccacacagtg cataatactt cgcgagagcca aattcacaac tgtactcttc 360
cacggcggcg gctgccaggt tgcgagggcg gcggggctgg cccgtgggcc ctggggagct 420
gctgcggagg tccccgagac catcgtgcac canctgcaga tgtggcgtgt tgaaggggtt 480
cgcccgcgcc aggtgcgcca cggacga 507

```

```

<210> 467
<211> 183
<212> DNA
<213> Homo sapiens

```

```

<400> 467
cctcatgagc taccgggcca gctctgtact gaggtcacc gtctttgtag gggcctacac 60
cttctgagga gcaggaggga gccaccctcc ctgcagctac cctagctgag gagcctgttg 120
tgaggggcag aatgagaaa gcaataaaag gagaaaagaa aaaaaaaaaa aaaagggcgg 180
ccg 183

```

```

<210> 468
<211> 129

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 81, 84, 90, 108, 110, 123, 128
<223> n = A,T,C or G

<400> 468
gcgggcgcgt cgaccggcgc cgtcggggcnc cgggcccgggc catggagctg tggacgtgtc 60
tggcgcgggc gctgctgttg ntgntgctgn tgggtgcagtt gagccgcncn gccgagttct 120
acnccaang 129

<210> 469
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15
<223> n = A,T,C or G

<400> 469
gcgggcgcgt cgacnngcca tggagactgt ggcacagtag actgtagtgt gaggctcgcg 60
ggggcagtggt ccatggaggc cgtgctgaac gagctggtgt ctgtggagga cctgctgaag 120
tttgaagaaga aatttcagtc tgagaaggca gcaggctcgg tgtccaagag caccagttt 180
gagtacgcct ggtgcctggt gcggagcaag tacaatgatg acatccgtaa aggcacgtg 240
ctg 243

<210> 470
<211> 452
<212> DNA
<213> Homo sapiens

<400> 470
cctcaagtac gtccggcctg gtggtggggt cgagcccaac ttcattgctct tcgagaagtg 60
cgaggtgaac ggtgcggggg cgcaccctct ctgcgccttc ctgcgggagg ccctgccagc 120
tcccagcgac gacgccaccg cgcttatgac cgaccccaag ctcatcacct ggtctccggt 180
gtgtcgcaac gatgttgctt ggaactttga gaagttcctg gtgggcccctg acggtgtgcc 240
cctacgcagg tacagccgcc gcttccagac cattgacatc gagcctgaca tcgaagccct 300
gctgtctcaa gggctcagct gtgcctaggg cgccctcctt accccggctg cttggcagtt 360
gcagtgtctg tgtctcgggg gggttttcat ctatgagggg gtttcctcta aacctacgag 420
ggaggaacac ctgatcttac agaaaatacc ac 452

<210> 471
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 37
<223> n = A,T,C or G

<400> 471
 cttctccgct ctttctanga tctccgcctg gttcggnccg cctgcctcca ctccctgcctc 60
 taccatgtcc atcagggtga cccagaagtc ctacaagggtg tccacctctg gcccccgggc 120
 cttcagcagc cgctcctaca cgagtggggc cggttcccg c atcagctc 168

<210> 472
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 71, 87, 182, 218, 288, 322, 358, 386, 407, 423, 429, 473,
 479
 <223> n = A,T,C or G

<400> 472
 gccaggcgct cctctgtctg ccactcagtc ggcaacaccc gggagctggt ttgtcctttg 60
 tggagcctca ncagttccct ctttcanaac tcaactgcaa gagccctgaa caggagccac 120
 catgcagtgct ttcagcttca ttaagaccat gatgatcctc ttcaatttgc tcatctttct 180
 gngtggcgca gccctgtttg cagcgggcat ctgggtgnca atcgatgggg catcctttct 240
 gaagatcttc gggccactgt cgtccactgc catgcagttt gtcaacgngg gctacttcct 300
 catcgagccc ggcgttgttg tntttgctct tggtttctct ggctgctatg gtgctaanac 360
 tgagagcaag tgtgcccctg tgacgntctt ctccatcctc ctccctctct tcatgtctga 420
 ggntgcagnt gctgaggtcc gccttggtgt acaccacaat ggctgagccc ttinctgacn 479

<210> 473
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 473
 gagcgatgga gcgtgggtag ggagggtcca cagtgtccac tcgccgtgtg cgaaggttga 60
 ctccgtagt 69

<210> 474
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 474
 gccgccactg ccgggagagc tcgatgggct tctcctgcgc gccgcccggt gtctggcoga 60
 gtccagagag ccgcggcgcc tcgttccgag gagccatcgc cgaagcccga ggccgggtcc 120
 cgggttgggg actgcagggg aaggcagcgg tggcg 155

<210> 475
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 475
 ggcttcgacg ttggccctgt ctgcttctct taaactccct ccattcccaac ctggctccct 60
 cccacccaac caactttccc cccaaccggg aaacagacaa gcaacccaaa ctgaaccccc 120

tcaaaagcca aaaaatggga gacaatttca catggacttt ggaaaatatt tttttccttt 180
gcattcatct ctcaaactta gtttttatct ttgaccaacc gaacatgacc aaaaacccaa 240
agtgcattca accttaccaa aaaaaaaaaa aaaggcgcg gcg 282

<210> 476
<211> 434
<212> DNA
<213> Homo sapiens

<400> 476
ctccaggaca gcgtccagct tgggtgtcgtt gaagacgaag tggagcggat ggttgtagaa 60
acgagtgatg gtgctgagcg gcgtgcagtc ttccgggatcc acgaaggcca agtccttgag 120
gtagagcatg tccacgatgt tggagcgcctc ctccctcgta accgggatgc gcgtgtggcc 180
gctctgcatg atgctggcca ggacgccgaa gtccagcacg gtgctggcgt ccagcatgaa 240
gcagtcttcg aggggcggtga gcacgtcttc caccgtccgg cagcgcagca cgcccttgct 300
gagatcgctg taggggtcgc cgccgccgcg cgccagctcc agcaccgct cccgcagccg 360
cccgggccgc gccgccagct ccagcagctg cccacgggc agcgcgacgg gcagagttag 420
caggacggcc aggc 434

<210> 477
<211> 314
<212> DNA
<213> Homo sapiens

<400> 477
ggcgggcgct agctggctcc gggcagctcg gccttggggg ctccggggcc ccgagacgcg 60
gggcgtatga gtggggcggtg cgctccacgc ggaagtcgga gcctcctcc ctggatagg 120
tgtacgagat ccttgactg gagcccatca cctttgcggg gaagatgcac ttctgtccct 180
ggctggcgcg gccgatcttt ccgccctggg accgcggcta caaggacca aggttctacc 240
gctcgcccc tcttcacgag catccgctgt acaaagacca ggctgtctat atctttcacc 300
accgttgccg cctt 314

<210> 478
<211> 317
<212> DNA
<213> Homo sapiens

<400> 478
aacagagtga tcattccagt taagcggggc gaagagaata cagactatgt gaacgcaccc 60
tttattgatg gctaccggca gaaggactcc tatatcgcca gccagggcc tcttctccac 120
acaattgagg acttctggcg aatgatctgg gagtggaaat cctgctctat cgtgatgcta 180
acagaactgg aggagagagg ccaggagaag tgtgccagct actggccatc tgatggactg 240
gtgtcctatg gagatattac agtggaactg aagaaggagg aggaatgtga gagctacacc 300
gtccgagacc tcctggt 317

<210> 479
<211> 171
<212> DNA
<213> Homo sapiens

<400> 479
aggtgctttg ctagatgctg tgacaggtat gccaccaaca ctgctcacag cctttctgag 60
gacaccagtg aaagaagcca cagctcttct tggcgatatt atactcactg agtcttaact 120
tttaccagg ggtgtcacc tctgccccta ttgggagagg tcataaaatg t 171

<210> 480
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 480
 cccccagtgg aaggctccca ccttggtaga tgaacagccc ctggagaact acctggatat 60
 ggagt 65

<210> 481
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 481
 cacagcgtgc tctgcgggggt cactcccact ttgttagtga tgtgggttacc tcctcagatg 60
 gccagtattgc cctctcaggc tcctgggatg gaaccctgcg cctctgggat ctcaaacgg 120
 gcaccaccac gaggcgattt gtgggccata ccaaggatgt gctgagtgtg gccttctcct 180
 ctgacaaccg gcagattgtc tctggat 207

<210> 482
 <211> 319
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 252, 258, 268
 <223> n = A,T,C or G

<400> 482
 cacactgtgc ccttcagtt gctggcccgg taaaaggcc tgaacctcac cgaggataacc 60
 tacaagcccc ggatttacac ctgcccacc tggagtgcct ttgtgacaga cagttcctgg 120
 agtgcacgga agtcacaact ggtctatcag tccagacggg ggcctttggt caaatattct 180
 tctgattact tccaagcccc ctctgactac agatactacc cctaccagtg cttccaaact 240
 gcacaacacc cnagcttntct cttccagnac aagagggtgt cctgggtccct ggcctacctc 300
 cccaccatcc agagctgct 319

<210> 483
 <211> 233
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 212
 <223> n = A,T,C or G

<400> 483
 acaggccccag tggcgcctag ccttcagctg ctgggctctc ccgagcctgc cttagcccat 60
 acaaccactt gatcacgcyg gcattgcgct ccaccacga cagcccatag ggaacgcgct 120
 cccgggccccg ctccctcaaca gtcacogagc tgcggcgagg gcagccccct tcagagctgc 180
 ccggcccagc actgggccct gccagggaga cnatatccga gctggcccggt gcc 233

<210> 484
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 484
 agagcccttg ctggggggtg cctgggagat ggggtaagaa gagctttcat ttgtctggtg 60
 gatagatagc atgtaagggg gtggttgtcc caggaggcag ctgctgacag gtttgctaca 120
 cacagccccg gactgtgttg cctgggtgct cattcagaga ggggctatca tctgggagcc 180
 tgtgccctg ggtc 194

<210> 485
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 485
 tccatatcca ggtagttctc caggggctgt tcacttacca ggggtgggagc ctcccactgg 60
 gggaagt 67

<210> 486
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 486
 taccgagtca accttcgcac acggcgagtg gacactgtgg accctcccta cccacgctcc 60
 atcgctcagt 70

<210> 487
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 487
 actcccgatt gaagccccca ttcgtataat aattacatca caagacgtct tgcactcatg 60
 agctgtcccc acattaggct taaaaacaga tgcaattccc ggacgtctaa accaaaccac 120
 ttccaccgct acacgaccgg ggggtatacta cgggtcaatgc tctgaaatct gtggagcaaa 180
 ccacagtttc atgcccacg tccatagaatt aattccccta aaaatctttg aaataggggc 240
 cgtattttacc ctatagt 257

<210> 488
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 488
 actctgctat ggtgctggct tcctttaaac tcaggataga tgccagggtg gctccgtttc 60
 cgtaagactg acactcgagc tcggcatcag accagttcct cagcttcctg aagtaaccat 120
 agcaattgga cttgtggtaa aaccatccag gagcacagct gggctctcatg atgatatac 180
 ccaggactcc tgttttggcc aggcagctca gcaataggag cagccgcatg cttctggaag 240
 ccactttcct cctaccctga ggatgtagct agtgcaagga tctcagagac cttactagcg 300
 cttctttgaa actcctgggt tctccttgat ctgcaaactc gtytggcaac caagactcta 360

agggcccctg ccttcttc

378

<210> 489

<211> 429

<212> DNA

<213> Homo sapiens

<400> 489

ccgagggtaca cagaagtttg aatcacaaaa cataattacc acaataaaac acagtgttca 60
 agtatcttgg cagagcaatc tgccgcacaa actgcaaatt aaattaacta cacagactaa 120
 aaactataca gcctaccatc aacagttgtg cattataaaa aggtagtttc tttccttttg 180
 ttttaagtca ggaacaggta gattttttaa aatatatata caagctaaca cacacrgcta 240
 tcagcactaa tgccccccc tcaacttttc ctttttctta tagaaaatgg aaagcttaca 300
 atacctcstc srtymwrgmr scagrcctwc gagccwgcct grasagggtk wgcmtgggar 360
 magmtstgkc ctgagggtta gagccgcttt gtgcggggat ggtggagggt aggggtggggg 420
 tgagaaaag 429

<210> 490

<211> 532

<212> DNA

<213> Homo sapiens

<400> 490

ttggattgcc acacggctca cattgcatgc aagtttgctg agctgaagga aaagattgat 60
 cgccgttctg gtaaaaagct ggaagatggc cctaaattct tgaagtctgg tgatgctgcc 120
 attgttgata tggttcctgg caagcccatg tgtgttgaga gcttctcaga ctatccacct 180
 ttgggtcgct ttgmgktgtg atatgagaca gacagytgcg gtgggtgtca tcaaagcagt 240
 ggacaagaag gctgctggag ccggcaaggt caccaagtct gccagaaaag ctcagaaggc 300
 taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg gaagaacggg 360
 ctcagaactg tttgtttcaa ttggccattt aagtttagta gtaaaagact ggттаатgat 420
 aacaatgcat cgtaaaacct tcagaaggaa aggagaatgt tttgtggacc acttttggtt 480
 tcttttttgc gtgtggcagt ttttaagttat tagtttttaa aatcagtacc tc 532

<210> 491

<211> 567

<212> DNA

<213> Homo sapiens

<400> 491

tcgagggtaca aaagcccttc aaaaggagtt cagcttttat aaacaccaa acactctctg 60
 cctgtaaaat gtttttgctg aaatttgtat cattaactct caaatttaca tcttcatggt 120
 tgagatacgc ttttaggact gtctatgcat gtagactttg gtcaactctc tctcctccc 180
 tcaataaatc agttaactta aaaaatatat tgtgaccatt tttataaaat acatgttcat 240
 aaaacagatc aacatattta gcttatacag aaataaaatt aagtcaatcc actcaciaag 300
 aatttctatt ttgtaaaaat gtagcttgta tttcagtata ataaaatctg atgcaaaaaa 360
 cctgcccggg cggcaagtgt gctggaattc tgcaakatat catcacactg gcggscgctc 420
 gagcatgcat ctagagggcc caattsgccc tatagcggcg cattaagcgc ggcgggkggtg 480
 gtggwtacgc gcasygtgac cgmtacactt gccarcgccc tagmgcmcgc tcctttcgcw 540
 ttcttccctt cctytctcgc cacgttc 567

<210> 492

<211> 422

<212> DNA

<213> Homo sapiens

102520012901


```

<400> 492
agtgtgctgg aattcgccct tggccgcccg ggcagggtaca agactcaata atcacctgac 60
tgagctccaa ttaactgagg agaaacgggg tggaggagag ggctgggtgc tattcagact 120
tgataatgag attgatctgt cccatggaga gtgaaagtgc agttccactt ctgcctcctt 180
ctttccatgc tgtcctcatg ctctttatcc tcacttcctc agtcccttca aactcaaaa 240
tctgatttta tttctctctc acacgtatca ggggcagttt ctgaagttgc tgaggttgaa 300
ttttcttcac aaacctctat aaaacatcag cagagaacat ataaaacat tttgattagc 360
atacattgca aaatttctcc cacaatgtca ggggatgaaa gcagggtggc cccactgaga 420
gt 422

```

```

<210> 493
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 283, 311
<223> n = A,T,C or G

```

```

<400> 493
agtgtgctgg aattcgccct tagcggccgc cctggcagggt aagctttttt tttttttttt 60
tttttttgat gattaacatc ttttaattcaa atgkaaaagt tcaatacaag ccatttatag 120
ggcttgagat ttgttggtct tttaaaaaca araaatgggg aaatgcaaca aaatgacctt 180
tccacttttc aaaagctttc aagtaaagga tagatcatag ggccataaaa gatccattta 240
atsaaacca cttttyaccc cctaccaatt gtcttacacc cantccacaa tcttaataca 300
tattcctgaa natttaca 318

```

```

<210> 494
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<400> 494
accttttact acaacaagta aacatgcata ataaagtagg attcatccaa tgtctgacct 60
ttctttgcat caaaagaaca tttccggcca ggcacggtgg ctacgcctg taatcccagc 120
actttgggag gccgagccag gtggatcacg aggtcaggag atcgagacca gcctggctaa 180
catggtgaaa ccctgtctct actaaaaata caaaaatgag ccgggcatgg tgggggggca 240
ccgtagtccc agctacttga gaggctgaga caggagaatg gcgtgaaccc ggggggcgga 300
gcttgtagtg agccgagatc gcgccactgc actccagcct ggggtgacaga gtgagactcc 360

```

```

<210> 495
<211> 329
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 269
<223> n = A,T,C or G

```

```

<400> 495

```

```

gaggtctggg atggggcttc actgctgtga cttcctcctg ccaggggatt tggggctttc 60
ttgaaagaca gtccaagccc tggataatgc tttactttct gtgttgaagc actgttgggt 120
gtttgggttag tgactgatgt aaaacgggtt tcttgtgggg aggttacaga ggctgacttc 180
agagtggact tgtgtttttt ctttttaaaag aggcaagggtt gggctggtgc tcacagctgt 240
aatcccagca ctttgagggtt ggctgggant tcaagaccag cctggccaac atgtcagaac 300
tactaaaaat aaagaaatca gccatgaaa 329

```

```

<210> 496
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 166
<223> n = A,T,C or G

```

```

<400> 496
acctgggatg aggtgggtgg agctttgaat ctaccactat ccaggccaca cacctagaag 60
ctctggtttc attgtttcat tgatttcatt gttttgattg atgctgacct taggcagcag 120
agttttcaat gctctccagg tgtttctaaa gtgcagacaa gtttangacc gtgcttgagg 180
gtgaagggca ggactgtgat ggggaggggc aaatatgggg cccttggggg gcaggcaatg 240
gttttccttg acctgaatgg ggggtctcac ggtgttgcat atacatatac gt 292

```

```

<210> 497
<211> 549
<212> DNA
<213> Homo sapiens

```

```

<400> 497
tcgaggtacc gaccatagag caagaatcaa gattctgcta actcctgcac agccccgtcc 60
tcttcctttc tgctagcctg gctaaatctg ctcatatttt cagaggggaa gcctagcaaa 120
ctaagagtga taagggccct actacactgg ctttttttagg cttagagaca gaaacttttag 180
cattggccca gtagtggcct ctactcctcc gtctctggct gtctcgagca gtctagaaga gtgcatctcc 240
tgcttcttcc ctctcctcc gtctctggct gtctcgagca gtctagaaga gtgcatctcc 300
agcctatgaa acagctgggt ctttggccat aagaagtaaa gatttgaaga cagaagggaag 360
aaactcagga gtaagcttct agcccccttc agcttctaca cccttcgggc ctctctccat 420
tgctgcacc ccaccccagc cactcaactc ctgcttggtt ttcctttggc catgggaagg 480
tttaccagta gaatccttgc taggttgatg tgggccatac attcctttta taaaccattg 540
tgtacctgc 549

```

```

<210> 498
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 498
cttgaagctg ggaggtggag gttgcagtga gccgagatca caccactgta ctccagcctg 60
ggcaagagaa tgaaactctg tctcaaaaac aaaaataaaa acaaaaaaaa aactcttgct 120
attctggaaa tgtccacaat tcagtcttca cctgcctcca tctcatgaa ggcaccaggg 180
gagcgcggtg ggctcacctg atttcttggt taggtctggt ctgttccttt tttatgcggg 240
gtctgtcggg gggcactgct ccaatgtgag gggccaggc tccatcgtag cctcttaacc 300
agctcagtg caggaagggt ggactttgac aaaaaccac ctcaaatctg cactcccaa 360
cctggagtg aacctgtggc aagctcccta ggctctctgg gcctcagctt cc 412

```

<210> 499
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 499
 actttttaaga atatacttttg attttaatatg tatgttagta aaactccacg tgttgtaacc 60
 attattatgt ttttgttttt aaaatgggga tgtaatacta ataaccacta cctataaaat 120
 aaagcacaca attgttccgg cgattttaca aatctttttt tccaggtgta aagtctacaa 180
 aaattccaaa aaattagaga acactgaaaa catattaaag ttgacatcc aactttatag 240
 tattttccatg ttaccctgaa agataactta aaaaatatgg ccttcttaga acaggccact 300
 ctgctattat aaaaaattgg tgacagcaag aaattgtatc actgatattg ggaatttttg 360
 taaatagttt tctctccaaa tcattagaaa aatgttcaaa aataaaaaa aaataaaaata 420
 tgggtggtggt ccctaaacta ttttgaa 447

<210> 500
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 500
 gtttgcttct tgcattctgat taactagaat atttctcttt ccccttttta atttgatg 60
 tcaattgacc ccatttatgt gtaggagcac tacaccattg gtttccaata ctgcacacat 120
 aagatacata cttgtgtgca gaaagtatct tctccaggc ttgtaatacc cttcacatgg 180
 aagattaatg agggaaatct ttatattctg tataaaaaa aaagcaaatt tatatactaa 240
 aatcatttgt ctaaaaatct aagttgtttt caaataaaaa ttaaaatgca tttctgatat 300
 gcactgattg tgttgccctcc agcttttttt gctctctatg agtgactact taagtcaact 360
 gttgagaggg attatttact aattatatac ttctcattcc tgtaactcca ttccctttta 420
 acagtgggtga tatcaaatat acttccatcc attgaatggg gtatttttta caacaacaaa 480
 agtgatatac taaaaaatgt attgcttaag gcttattgaa tcatttt 527

<210> 501
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 501
 gaggttgccg accaaagaga ccattgagca ggagaagcgg agtgaaattt cctaagatcc 60
 tggaggattt cctacccccg tctctctcga gacccagtc gtgatgtgga ggaagagcca 120
 cctgcaagat ggacacgagc cacaagctgc actgtgaacc tgggcaactcc gcgccgatgc 180
 caccggcctg tgggtctctg aagggaaccc cccccaatcg gactgccaaa ttctccggtt 240
 tgccccggga tattatagaa aattatttgt atgaataatg aaaataaaac acacctcgtg 300
 gcaa 304

<210> 502
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 502
 actgattgtc atcctgactt tggcattggc agctcttata ttccgacgaa tatatctggc 60
 aaacgaatac atatttgact ttgagttata atatggtttt gtgacttatg agctgtgact 120
 caactgcttc attaaacatt ctgcattggg tataatctaa gaattgttta caaaaagatt 180

```

at tt t g t a t t   t a c c c t t c a t   t c c t t t t t t t   g a t c c t t g t a   a g t t t a g t a t   a a a t a t a t c t   240
a g a c a t t c a g   a c t g t g t c t a   g c a g t t a c g t   c c t g c t t a a a   g g g a c t a g a a   g t c a a a g t t c   300
c t t g t c t c a c   t a t t t g a t c t   g c t t t g c a g g   g a a a t a a c t t   g t t t t t t c t c   a t g t t t c a t c   360
t t c t t t t t a t   g t a a a t t t g t   a a t a c t t t c c   t a t a t t g c c c   t t t g a a a t t t   t t g g a t a a a a   420
g a t g a                                                    425

```

```

<210> 503
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 224
<223> n = A,T,C or G

```

```

<400> 503
a c c a g c a g t g   t g t c a g g t g c   t g c a g a g c g t   t c t t g g a g a a   g g c c c a c t g a   g g c a g g t t c g   60
t g c c c t g c t g   c g g c c a g c c t   g a c t a g a c c c   c a c c c t g a g g   t c c t g c a t t t   c t c a g t c g g t   120
g t g t a a t c a c   g t t c c a g g g c   c c a a a g c c c a   g c t c t t t g t t   c a g t t g a c t t   a c t g t t t c t t   180
a c c t t a a a a a   g t a a t t g t a g   a t g g a a a t c a   g t t g t g t t t g   g c a n g a g a a t   c a a t a a a a a t   240
c t t t g a t t c a   g a c a g c                                                    256

```

```

<210> 504
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 166
<223> n = A,T,C or G

```

```

<400> 504
a c t g t t a a t g   a t g t t a a t g a   t t t t t t t t t a   a a c t c a t a t a   t t g g g a t t t t   c a c c a a a a t a   60
a t g c t t t t t g a   a a a a a a g a a a   a a a a a a c g g a   t a t a t t g a g a   a t c a a a g t a g   a a g t t t t a g g   120
a a t g c a a a a t   a a g t c a t c t t   g c a t a c a g g g   a g t g g t t a a g   t a a g g n t t c a   t c a c c c a t t t   180
a g c a c t g c t t   t t c t g a a g a c   t t c a g t t t t g   y t a a g g a g a t   t t a g g t t k t a   c t g c t t t g a c   240
t g g t g g g c c t   c t a s a                                                    255

```

```

<210> 505
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 70, 180
<223> n = A,T,C or G

```

```

<400> 505
a g c t t g g t c c   g a g c t c k g a t   c c c c t a g w a a   c g c c g c c a g t   g t g c t g g a g a   a t t c c c c c t t   60
a g c g t g g t c n   t t g c c c g a g g   t a c a g a a a a c   c c a a a g g c a a   c c a c a t a g c a   t a t g t a a a a t   120
g t g c a a a t c a   c t t t a a a a t g   c a a g t t a t t c   t a t a g c a t t t   g c a a g a t a g a   a t t t c a c t g n   180

```

aattagggaa tctagttcat cctaacttaa tagtcttttg catgtataga caatgcaatt 240
 ctacaaggca caactcagcg ttgatgctaa agtatgaaac acatcctcag attatatttatt 300
 tgaaaatatt aaaatagcat cgtttattat tttttaatga gtcatgagct catttctaaa 360
 gcttcataaa gcattacact gataacatat gtgtgggtcag gacaaactgt tccctgaact 420
 taagaggtga aggacaagac cccatattat tatcctgtat taaaaaagga aatatacata 480
 tatgt 485

<210> 506
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 506
 acaactccaa aaggagacat tggagaagaa ccaagctggg tctataagga attgcacatg 60
 agatggcaca catatattatg ctgtctgaag gtcacgatca tgttaccata tcaagctgaa 120
 aatgtcacca ctatctggag atttcgacgt gttttcctct ctgaatctgt tatgaacacg 180
 ttggttggct ggattcagta ataaatatgt aaggcctttc tttttaaaaa 230

<210> 507
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 507
 acctacttct ccacaccgct gttgcttggg aaaaagggca tgcagaagaa cctgggcatc 60
 ggcaaaactct cctcttttga ggagaagatg atctcggatg ccacccccga gctgaaggcc 120
 tccatcaaga agggggamta tccsgtgaac accctgaaaa gacccgctgt gacgggtgg 179

<210> 508
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 508
 acagagtttt atataaattt aaaccaattt ttaaaacaaa actgcggaca ccaccataaa 60
 aatggaatca aaagaaagt tttttatgaa attaagaggt cagcagaata tactcagtga 120
 tggaagacac ttgggaaagt ctttttaata gaacaagaac gatcttaatt taagaatatt 180
 atcctggttt aacaacagt cctgttttac aacagattgt gccctatctc atctgcagcc 240
 gaggaataaa ggattctgat tagaaagagg gttgcctaca gattagtaag caattccttg 300
 gatcttatgc acagaacttg t 321

<210> 509
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 509
 acgtgggata cgggtcatgg gcagagctcc tggcctcagt gatgcctcct gatctatcca 60
 taggcctgga agatcagcac tgggatgacg atgagcagaa tgggtcatgag gatgcccasa 120
 atcagggccc acatgttcag gcacttggcc ggtggatgca targcctggg cccctg 176

<210> 510
 <211> 298
 <212> DNA

gccccgtagt	gatgagcact	gactggttca	ctggccacat	tttagttctt	cataataata	60
ggccacaaaa	gggctctgtg	gtttgcctcc	atgtgcactg	gcccctcccc	acccctaggg	120
ggcactcagt	agctgctgag	aaggcctgtc	cacgaggctg	ttggaacccc	tccaataaat	180
acttagagggt	agtgttatctg	atgcttggtt	tcgtggagaa	aattgtaattg	gagaacttaa	240
aacatcacga	atatattttaa	taggatccgc	agacacccaa	aggagaagct	tggctttttc	300
caggtatttc	caacttgagt	tcagcccaaa	gcctttgaaa	gqaatgcatt	accacatgac	360

cacatgctga gaccccatgg ggtctaacac gggacctaag aaagtctctg cagccagata 420
gt 422

<210> 514
<211> 326
<212> DNA
<213> Homo sapiens

<400> 514
accagtatag taatatctgt atactaacta gggctttgta ttgtcaataa ttttttaata 60
atTTTTtaat gaggtattta cactgaaga aatatgataa tataaaacca tcaaatttta 120
taattgagat gatactctgg aaaaacatgt catttcattt tcagaaaact cttaaagctct 180
cttcagtctc tgtaatgttt ctgattgcat gtttcttcat gaaaagtatg ttgttggttt 240
gatagtaata ataataaatg taggctcagt tctttccag gattttcatc aaaaagcttt 300
aagtgcctaa cctgcttgt ctctgt 326

<210> 515
<211> 323
<212> DNA
<213> Homo sapiens

<400> 515
accagatgta gctaggaaaa cccaaacggt ccttggatcc tgagacagct ggtaagcacc 60
caggccggct agactgccaa agagcagccc tgcagccagg gacggcacgc tgcctgcttt 120
tacatagcca atgatccac cagaagcaac cagtgtgcg tagccaaagc caaaccaatg 180
caagggcact actgagccag tgtcctgcat ttttctctc tctgtccaga caggagacta 240
ccccaggcct gcaccggtct cacgaaggcc ccggtgtct acaagggcgc gcaagccgca 300
ggaatgactg cgaggtgtcg ccg 323

<210> 516
<211> 403
<212> DNA
<213> Homo sapiens

<400> 516
acccggttg ggttcatttc ctgcccaaga agctggatga ggcagtggct gaagcccacc 60
tgggcaagct gaatgtgaag ttgaccaagc taactgagaa gcaagcccag tacttctaaa 120
tactgagtga atacatcaca gattgcataa agtgcattat tgcaagttgt tgtcatccat 180
tcagctttct ctgtctgttg ttctggcaat ttcattattgt caaagattct gaaaacaatt 240
ctaaataaat cctgccacca gtgtttctca taagtgtggc catatgtttt cattatttca 300
aacattactg ttaaaccctt ggttcttaca tctaatttgc atctattgat gatacaggat 360
aactcaaaga gaattgggaa ccattctctc acccacacc tgt 403

<210> 517
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335
<223> n = A,T,C or G

<400> 517

```

acctgaacga agtcgcgggc aagcatggcg tgggccgtat tgacatcgtg gagaaccgct 60
tcattggaat gaagtcccga ggtatctacg agaccccagc aggcaaccatc ctttaccatg 120
ctcatttaga catcgaggcc ttcacccatgg accgggaagt gcacaaaatc maacaaggcc 180
tgggcttgaa atttgctgag ctggtgtata ccggcttctg gcacagccct gagtgtgaat 240
ttgtccgcca ctacatcgcc aagtcccagg agcgagtgga agggaaagtg catgtgtccg 300
tcctcagggg ccaggtgtac ctgmccgggc ggccnctaac ggccaattmt gcagatatcc 360

```

```

<210> 518
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<400> 518
cataaatatt atactagcat ttacccatctc acttctagga atactagtat atcgctcaca 60
cctcatatcc tccctactat gcctagaagg aataatacta tcgctgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccggc tgcgaagcag cggtgggcct agccctacta gtctcaatct ccaacacata 240
tggcctagac tacgt 255

```

```

<210> 519
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<400> 519
accttcctct caattttgct gtgaacctga aatggcttta aattaatact cttatttttt 60
atttaattta attacataaa ttaaaccctta ccatgaccaa attgtgttag gacggcctgc 120
tatctacagc acagtgtgtc atttgcagat ttgtgggttac ctataccacg ctaggtgttt 180
tgacatgttt agtattttctg ctttacagtg ctgaattcca tatttttagaa gctatgaaag 240
tccttttatg aaaaagttac tgattgcttc tcagttatta ggaaaacagt tgtttcacaa 300
ttattatgta gatatgatgc ccaaatatca tttttagtat atcttgtcga tctttaagtt 360
gttactattg tgttattcat gtctttaaat cagataccaa atatttttta ggaaagaaaa 420
atgttattac tgtcattagg ttggctttt 449

```

```

<210> 520
<211> 92
<212> DNA
<213> Homo sapiens

```

```

<400> 520
acccccatca cagcagtcaa acagcctgag aaagtggcag ctaccaggca ggagatcttc 60
caggagcagt yggcaryagg gccagagatc cg 92

```

```

<210> 521
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 521
acagagggga caacaatgaa tcagaacaga tgctgagcca taggtctaaa taggatcctg 60
gaggctgcct gctgtgctgg gaggtatagg ggtcctgggg gcaggccagg gcagttgaca 120
ggt 123

```


<210> 522
 <211> 303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 277, 284
 <223> n = A,T,C or G

<400> 522
 acaaaaaaat gaatgttaca aaaatcacgt aaaaaaaact aggctcaagg aagcagccgc 60
 ccttgcaaga gggctcaagg cacctgagag gctgagaaga ggccaacctg gccatgggcg 120
 tggctgcatg gacagctctt cctcctgcc cttccccaga tgccttccc tctgccccg 180
 aggggcacac tccctctccc caattacagg tgctacaaaa ctgccttgaa taccaccgcc 240
 aaggcactgc cagagatgaa atgggccctg agcagangcc tcangctctc cctcccccg 300
 agc 303

<210> 523
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 523
 acagtgcatt gtgctgtcac ttggaaagcc tttcaatgtt gtcttcagat tgttgtgatg 60
 aatatgaaac atgcagaccc tcctttataa agaaaaagac cttaaaactt gaatatgaga 120
 taattttaca ttttaaaagt ttatttgatt tcatattat tcactttcaa agccctttca 180
 aatagaaaag gtatgaactt ttggggggat aatttatgta tcgtaaactt attagaacaa 240
 aatattcctg atgtataatg agttgtttta tttatacaac tttttcaatg gtagtttgca 300
 ctattcttta ttatgttaca ggtttattta ttatgaaaca aaggaatatg tattttatgt 360
 attttaccat gcataggtta actctttgcc acagatttat tggctttgat acacctaaaa 420
 taaa 424

<210> 524
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 524
 acaatttcat tgcagacaca aagacttaag agtttcaaag aattttttta aataaaaaaa 60
 aaatttgcac ttattcctca caaaatcttc acttttgga ctatcccaat tgaagctaca 120
 cactgaattt attaatacag cattaagttt ctttgtgtaa aaaaatcttt gt 172

<210> 525
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 525
 actccttccc agttttttct ttatactgag ccttcaggga cagtaagcat tctacagctt 60
 cttttatttt agccttaggg gatttttcag cttttagctt acgaaccacc tccccttggtg 120
 cagcaacttc atcacacaga gatttacttt ccagaatact tgctgaggaa ttagaagaaa 180
 tattctgtcc tatttcagca ggagggtttc cagggtttata ttcttgcca gttttctcct 240
 tatattcaag ctttca 256

<210> 526
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 526
 actggagatg tatttgataa ccaagggttt aggttaaattt tcaccagtat tagttctatt 60
 tgcaaaactga aaaatgttgt aggcctaata taaaataaacc acattagtga acattataatc 120
 tcttagaaga aaggccatat tttgctcctg cttctgtaaa aatattattt gtttgaaggg 180
 gaaataatgg tagtgtgacc ttctacttaa ttccctactcc cttaatgtga gagagacaaa 240
 atgagctgaa gaaggaaaat tctggagtta cactccacaa ccttgaacat actgacggac 300
 atctctgttt tgacaacgat ttctccatgc caccatgct ctaatgcctt gtggatcacg 360
 gacaaccctc tttgcacaag ctacagcatc agcgatgtta tcttgcagca aagcactgca 420
 ggataaatga caggcattaa ctgctcctgg ggttttgcc aattacacc agtagcggc 479

<210> 527
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 527
 accaaattga agggttttaga ggccctcaaa tgggcatcac tcataaaggc aattttcatg 60
 gtttaatatata gaaattactc taatgtgaga acacaacatg ggaactattc aaaatacacc 120
 tttctatgca aaattgagtt tgyatctatt ttagcatttt aaatgagcac tctgcaactg 180
 agaccaaata tcaatcatct cttgagggtt tctactatgt 220

<210> 528
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 528
 acamcatcga tgaaattcag acatacaatg taaagttgaa ataatcccaa attattttac 60
 attatttatg tatactttac aaataacaca aatatggaaa tgttttcttg gaaagctgtt 120
 ggaactgtaa gcaactgcaac gtatgaaaga aacatattta gcaataaaaa atttaataat 180
 atcctacaac tgaattagtt gcatatttat accattcaaa atcttgattt taacctcatt 240
 cactcctttg aaaaatacat tcctcttttg ttctttttaa tgcaaaatta gtggcagttg 300
 cagcaaaaac gccgaaattc tataagaaaa aaactgattt accccaaaca tatcattcag 360
 cacaactgc ggt 373

<210> 529
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 529
 acattttctaa gtcaaacact tgtgactttt gctttaattc catgaatgtt cctgcctcct 60
 tgatatattgt atttattctt tttttctcta gagtagagggt ataatttgtgt gatatttcag 120
 aataacagat aaatgattca aaaagtcaca gttaggaga atcatgtttc tttgatcatg 180
 aataactgat tagtaagtct tgcctatatt ttctgatag catatgacaa atgtttctaa 240
 ggtaacaaga tgagaacaga taaagattgt gtgggtgtttt ggatttggag agaaatattt 300
 taatttttaa atgcagttac aaattataat gtattcatat ttgt 344

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<210> 533
<211> 529
<212> DNA
<213> Homo sapiens
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<400> 533
gaggtagctta ataaccaagt ctcggaacac tgagccatca cctgcaatgt ttcctagagc 60
ccagacagct tgttcactga tgtgagcatg gggagatgcc aacagagaaa tgaatgctgg 120
gatggcacct ccatctacca cagccttggg ttgttctgat gtcccagaag caatgttagt 180
gagtgcccaa gcagattcaa actgaatggg actacaatca gttctgcca agaaggacac 240
aaatttcgga atcaaaccag cccggattat gttgtctatg gggggctgtt tttctctgga 300
aagtagtttc ctggcagctt gagtagcttg gagctgattt tccacattgc tgctatttat 360
gcctttgaca atgtcatcaa cagaccaatt tacagtgcc tggttggtgc gggtttcctg 420
cagcggagaa gtagcatcat caggaaatga gcttacattt ctctcttca gcatctgggc 480
atccttctta gctttcctca gctccacatt gacctctatt ctgcgacgc 529

<210> 534
<211> 297
<212> DNA
<213> Homo sapiens

<400> 534
actcattaat attattttgt tttgagaaag ccagaaatga ttctaagaaa taaacaataa 60
taataaaaaga tgtaattaat atactgtatc ccttttaagc caaagcacac tttttacctc 120
aagactgttc tgacttttac attcttaatt tcctttgtcc aaaataggac cccattttta 180
atagagtcca tttgaattga gttcataatc taaagtcact tttccccaca agatgttttc 240
atttcagtat ataaactgct aagcggcaaa tgactaagtc agttataaag aatttgt 297

<210> 535
<211> 373
<212> DNA
<213> Homo sapiens

<400> 535
actttccagg gcacagcctg gacgaatgat gccaaacttt ccgggcacag acaaatcaac 60
cacagttgag ccaaggcgac actcggggct ctggccatcc ccaatttgc ccccatcaat 120
aaccaaggac aactgaggcc agagatcctg gaactcctcg acattcagag aactggcctg 180
ggagctgagg ttggcactag tgagagcaag cggaccctca aacatctgag ccaagtcttg 240
cataaaaagca tgatcaggaa tccgaatgcc tacaagaggc gtaaaagggg ttaggtcctt 300
gttgagctcc tccgagcgtt ccatcaccag ggtcactggg cctggcagta ggtctttcag 360
gagccccctca ggt 373

<210> 536
<211> 254
<212> DNA
<213> Homo sapiens

<400> 536
acatgctcca ttaaattaaa tgtcatccaa catttatcaa atattgtctt agttacagct 60
tgataacctat ctaaattcat attcgagcaa aactaggccc cgaaagtgcg tttgtggctc 120
tgcacctcca gaagtgagtt caaaaaacct gcagctcatc agaactgcaa caataactct 180
taatattttc ttgtgacaaa aaaaaaaatc aagtttactt caatatattt tcaaatattt 240
actggaagta atgt 254

<210> 537
<211> 449
<212> DNA
<213> Homo sapiens

<400> 537

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acagacttgt ttttgagtgt tgagtagcag ggacaaaata agggaatggt attttttaag 60
aaaattcatt ttcatgtgtg tctccttcct tttctgtgaa agtcctcata ctgagaaatt 120
tgtatatatt atattaaatc acttactatt gatTTTTgtt gtgattttca aagggtggatt 180
cccacagata aaatcttggc tattgcccaa aacatagtaa agggtcacgt gtgacttttt 240
ataataggaa gaaaattctg cctttgtgag tgcacatgtc cacatttcat ccctccttcc 300
ctcaaaaccc tagagagggg cattaagaa ttgttgatgt atatgcaatg tctgttaagc 360
atgcactatg tatttcatcc tcatttattg ggtctgggac tgaagttttt agccagcatg 420
gacctaacct actttttggg ataaaattc                                     449

```

<210> 538

<211> 328

<212> DNA

<213> Homo sapiens

<400> 538

```

actcagcgcc agcatcgccc cacttgattt tggagggatc tcgctcctgg aagatgggtga 60
tgggatttcc attgatgaca agcttcccgt tctcagcctt gacggtgcca tggattttgc 120
catgggtgga atcatattgg aacatgtaaa ccatgtagtt gaggtcaatg aaggggtcat 180
tgatggcaac aatatccact ttaccagagt taaaagcagc cctggtgacc aggcgcccaa 240
tacgaccaa tccgttgact ccgaccttca ccttcccat ggtgtctgag cgatgtggct 300
cggttggcga cgcaaaagaa gatgcggc                                     328

```

<210> 539

<211> 506

<212> DNA

<213> Homo sapiens

<400> 539

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tcgaggtagt ttggcctctc tgggatagaa gttattcagc aggcacacaa cagaggcagt 60
tccagatttc aactgctcat cagatggcgg gaagatgaag acagatgggtg cagccacagt 120
tcttttgatg tccaccttgg tcccctggcc gaacgtccag cggagagact gttggcagta 180
ataaatggca aaatcatcag gctgcaggct gctgatgggtg agagtgaatt ctgtcccaga 240
tccactgccg ctgaaccttg atgggacccc actatgtaaa gtagacgctt tatagatcag 300
gagattaggg gctttccctg gcttctgtct ataccaggcc aaccaattat taatattctg 360
actggcccg caagtgatgg tgactctgtc tcctacagat gcagacaggg tgggaaggaga 420
ttgggtcatc tggatgtcac atttggcacc tgggagccag agcaagcagg agccccagga 480
gctgagcggg gacctcatg tccatg                                     506

```

<210> 540

<211> 519

<212> DNA

<213> Homo sapiens

<400> 540

```

tcgaggtagt tttccttgtt tcctagaatt cctaaggagg aacaacaaca aaatcgggggt 60
ttgttcagca attgcaccac atctctaaaa attaaaacat tattcagtaa gtgaagggtt 120
ctgataaaca agtggatcaa actgaatatt tccaattaa aaagttcaca ataatacagt 180
agtgtattat taccaatagg aaggccta atgtcgactat ttttttttaa ggcaagaaaa 240
aagaaaacaa gtgcaagcta tgccaagctt tgggtgaatgc tgtccttggc attgcaagta 300
taaagtttgt ttaaaaagaa aagggaaaaa ttaactaat gcttcaacaa ccacagaata 360
aggtttagga ctgcaaagaa agaggaaaaa aagaacatt attcctctcc aattatactg 420
ccaagcattc acaagtgagc tagggatcat aaggttaatt atacatttaa taagggtgtca 480
gggagataac tgctcatttc tttataaaaa ttaaatgt                                     519

```

<210> 541
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 541
 acttgaggct tttttgtttt aattgagaaa agactttgca attttttttt aggatgagcc 60
 tctcctagac ttgacctaga atattacata ttcctccagt aagtaatact gaagagcaaa 120
 agagaggcag gattgggggtc acagccgctt ctccagcatg gaccaagtgg gccttgggga 180
 ttgcagcggt ctggaagtgg ctgtaggact cgaatttaca gaaagccaca gaggtgcaac 240
 ttgaggctct gctagcaagc caccagtggg gctattgggt aaccaccttt ctatacagga 300
 gattggaatc tactttgtca tttatccacc acagtgcaca aggaaaagtg gtgccgttat 360
 gcaatccatt taactcataa acatattact ctgagtaact ggccagccat tcatcggatc 420
 cttcattggg t 431

<210> 542
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 542
 acaaaaaagg aaataagaaa gtagtgacag cctatccata caaaaatcaa aaagacacaa 60
 aggaagatag aatgagaaac agacctaca gaatcattaa acaataaaat aacagtaatc 120
 tttgtcttca gaaaataaat attttaaaaa tagacttgcc aatcaatata catacattga 180
 atagagggat tatataaaat tttatatacc aagatccaac ttgcctctct tcaagagtca 240
 cttgagatct agtagtgaaa tcagcctgaa agtggcaagt ggaagaagac attttaggca 300
 aacatcaacc aaacgagagc agaagagatc aaaattgtat tatacaaaat acatcgtaag 360
 tcaacaactc tcttattttta taaaatatac tttatgtcaa aattcacaag agaaaaaagg 420
 tcattaaaca ataataaaga tatcatttat tgaaaatgta tgacaaatat gtgcatacat 480
 atatttatat gtttgtgtct gt 502

<210> 543
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 403
 <223> n = A,T,C or G

<400> 543
 actacaaggg cagtaaaaca atgatacact ggaaaaaaaa aaatgcagca ataaacattt 60
 gttaaaaaga ctgatagaat aaataaaact acaaaaaaaaa aaaaatcata caaaccattt 120
 ctgaaacccc aagaagtcct ggaatacaga aatgccctcc tccttcaacta tttcacagga 180
 agcactgcag gctatttgc taaatttgc ctgggattac attctaaaat tagtaactgg 240
 ttacagctcg gttgtagtgc acaattaaaa tcacactaac ttcattctgaa gtgtcattct 300
 acagttttat ttacacaacc agtgaagggc atgttctaga ataccagctt taatcctttt 360
 caaacattaa tataagaagc caaattgtaa tgatacagca aantgaggcc actggtatta 420
 atacaggtag caaaggtcca catccagggt gt 452

<210> 544
 <211> 472

<212> DNA
<213> Homo sapiens

<400> 544
caatcattta taatagaaac accttgacca caagcccttg attgaacatt ttataaatatt 60
tcatctactt attaaaacaa ataatttccc ttgggttgga ggggaggtga ttccataaat 120
taattagaaa gccatcttta gcatattgct tatgtctgga tccatgtttc tgaggaaaaa 180
gacattctca ggtgatgtat ttttttcatg cattagtatg cttttttaaa aaataatgca 240
tgtttcttta ataattaatt ttcattcttct ataagatgcc atgtgaagaa gttgtggaaa 300
tgtagaataa aaagctaaag ctgccaaatt tctgttgaac tcttaaaaac agctcatgtt 360
tgtttgtcct ctgggttgtt ggccatagcct atttgcaatg taatgaagct gcagggttct 420
tgtatagcta aagcgttcaa tgcatttcac gtgctgtggt ggatgtgggt gc 472

<210> 545
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 180
<223> n = A,T,C or G

<400> 545
acttaagcat ttccactttt ggaagaaaag tgtattagta ttttatattg catttcattt 60
aaaaggacag tttttttttt ttttgtaaatt ccattcattg aaatgggttc taaactgtat 120
aatgtaattt ggagcctatt tagtaatatg aattaaatgt cctatgtagt gctacaattt 180
tygaattaga aagtgatcaa atgtmasaaa aaaattyaaa aattcagccc agaaaacaaa 240
ataggggtatt aaattagttt aatgtaaaag gaattwataa g 281

<210> 546
<211> 423
<212> DNA
<213> Homo sapiens

<400> 546
tcgaggtagt gagacagaag attgtgtcta cataagcaca agttgtaaca tttcacaact 60
tctaaaagga atgtcaacaa ttacaacgat catgcatacc atgggtcgata atcacatttt 120
agaagcattt tcaaccattt ctaaagaaat gcttataaca ttgttatata tagaactact 180
ttcaataaac tgcaaaacat tgatcgactt ttccagtatg agctacagtg tcaacacaaa 240
agggaggcat aaatgtttta tttatgaaat cagaatggaa tattttactgt aaagaaaaat 300
taaaaagctt tcaataaaag gccattatcg aaccaacgtg aagagcacia ctogaacttt 360
tgagttcatt catcttttaa agctgtcctc tcaataactt cagttctaag cactgaattc 420
agt 423

<210> 547
<211> 399
<212> DNA
<213> Homo sapiens

<400> 547
gagggtctttt agcagggtctc aaaagttttc ttctaataara ywtcttggtg ttctatcatt 60
cgtaggtgtt gaattttacca aactttttct atttcaatta ttacattttt actttgttca 120
agtaatatgt tatcatatta aatgaacatt gcattgtgaa aataccctgc ttagtcatgg 180

```
tatgtaatca tccttataacc tttttgtatt ctttttttaa atatttctga gaatttctgt 240
gtctaaatth aaataggatg ttgttttgta atcatcttggt gattcttttg tctcctttgg 300
gtattattgg ccaatagatg aattaagaaa tgttacctct tctactgctt gaagtttttg 360
tgagaaattg atgtttttca ttaagtgttg atgaaatgt 399
```

```
<210> 548
<211> 246
<212> DNA
<213> Homo sapiens
```

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<400> 548
aaatgcatta taaatgtttt taattgtgtt ctgttttttg cagtctttta gtgccatgcc 60
aattgttctt atattctata gaagttcgct caaaatactc aacaggggaa taggcagcgg 120
acagtcagaa tggttggaat tttggctttc taagaaaaac tttattttgc ataagcatgt 180
ggtcagatca ttttgtgcat atgcagcctg gattggatgt taagtaaattg cttgttcagt 240
gccggt 246
```

```
<210> 549
<211> 413
<212> DNA
<213> Homo sapiens
```

```
<400> 549
acaaactggg attttatact gttccaatgc cagtaatcaa tttattttct tcattaaaat 60
aatatacaca gaatgtattg ttagttcgat tccttcaaat tttatacata tttactttct 120
gttaaagaga aaaggataaa atggtataaa aaaagataaa gctattaatt aagcacgaga 180
gagaagataa atggatattt tccctgtgtg aggctaagac agaagcaaatt ctcgttaaga 240
aaaatgccac ccacacaaca ggaaatttat ccaaaaacaaa acaaaagcag ttatagaacc 300
ccttctctac catcagaagt aatttcacag caataaactt atttggttaca acagacatac 360
ttgaacagtt aaggatggga agaaaggctt aagatatcac caaattaaac cgt 413
```

```
<210> 550
<211> 215
<212> DNA
<213> Homo sapiens
```

```
<400> 550
acataagggt caaagtttcc tttccttttt ttattttatt tatattttgc aatgtttttt 60
ttccataata ttttaagttt tcgatgttta gatatttttc ttcggtgaag cacaagtwtc 120
ttttcatggy cctgkakcaa ttttaaacag ttggaacacc ggtggcactg ataactgcty 180
tctgggcagc ctcttttagct tgggggggctb gtagg 215
```

```
<210> 551
<211> 175
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 154
<223> n = A,T,C or G
```

```
<400> 551
ggcggaggag cggtaactac cccggctgag cacagctcgg cgctccttcc cgctcctca 60
```


cacaccggcc tcagcccgca ccggcagtas aagatgggtga aagaaacaac ttactacgat 120
gttttggggg tyaaacccaa tgctactcat gaanaattga aaaaygctta tmmga 175

<210> 552
<211> 298
<212> DNA
<213> Homo sapiens

<400> 552
acagtgtata ctatccccac caaaggaaaa aaacattaag agcaaaacaa ggggtggggg 60
gtgggaatat tgctaaagaa aattctaata agagttatct ataattatag cttttattta 120
ttatatcttc attcaatcat ttattcacia ttagtctaata tgcattcttg atgaataact 180
gacttcagca aaggagtcaa tccactaagc aaagttcatt ttttttcat gatgttcttc 240
tttogatctt gagtctttac tctcctggat tcccaagaga actgcattag cctctagt 298

<210> 553
<211> 437
<212> DNA
<213> Homo sapiens

<400> 553
yacaatggct taagcaaate gctttagttt tttttctatt taagatttag gacagactac 60
tcgtctaaaa ttcactatct acagagaagg tcctaggga caggataact tatttaggtt 120
tagctctcat aatacaatat ccataatggc tttagaagaa tgtaaataaa taacattggt 180
aaacagcgta tactgatatt ttctgacaaa ctcatctatc taacatcatg ctgagcaatc 240
aagaggattc ctctatatat tttaaatttt aatttattct atttctgat tcacaaactc 300
ttgctccatg ttaaagcagt tatcaccaat agaacctatg agaaccagtg cccatggaaa 360
cctaacagct tgttttttta atcccctatt aaaactcggg tgaacttgat atatgcatgg 420
ttgaaatatg cgtgggt 437

<210> 554
<211> 575
<212> DNA
<213> Homo sapiens

<400> 554
ycgaggtaact tttgacaaca tttatctgca tgtccagatc agcaatgagt cggcaattga 60
cttctacagg aagtttggtt ttgagattat tgagacaaag aagaactact ataagaggat 120
agagcccgca gatgctcatg tgctgcagaa aaacctcaaa gttccttctg gtcagaatgc 180
agatgtgcaa aagacagaca actgaacaaa ttacaaatga actttcttgc acttgcttgt 240
cgccaaataa aagagaggcc cattgattcc tccccaccc caacactttt cttttaaaagc 300
ttttctccct ccttggttctt gtttttcttt cttcctttcc ttttctctga gagttttaat 360
actttcaagg actttaaaaa aataatcatg tttgaattgt tttctcttat tttgtgagg 420
tggtttgaag gaaggacaag gtagatctgt ttagttttgc agttgaagt agatggctct 480
aaacatttaa ttgtcaaata atttcaaatt taatgtcctg ctttcacatt gaagggcaga 540
gcctacaaaa cattgtatat ttcaaaagac aaaaa 575

<210> 555
<211> 226
<212> DNA
<213> Homo sapiens

<400> 555
accgaaccat gaccaccctt ggcaagagcc ttcatgcacc tagcaagtag tcacagcatg 60

catgtgccta gaattgttac gtggtcaaat tatattattg tgtattccca ccaacagtat 120
 gagaagggtcc acttctccat acctccacaa ctctgggcat ctaaaacttt taaaatcctg 180
 gaatcatagg caaaaaaaaa aaaattcacc catattttcc tctagt 226

<210> 556

<211> 298

<212> DNA

<213> Homo sapiens

<400> 556

acttcatata agtggaaatca tatagtattt gtccttttct gtctggctta tttcacatat 60
 aatgtcttcc aggttcatca tattgtagca catgtcagaa tttcattcct ttttaagggt 120
 gaataatatt ccattatgtg tataccacat ttgttttacc cattcatcca tcaatagaca 180
 ttgggtatt tccaggacaa tatattctta atttaatccc acattttaag acttacaggt 240
 aatttaaatt caattcaact tactgagtat ttactaaggg taactcacta tgggaagt 298

<210> 557

<211> 166

<212> DNA

<213> Homo sapiens

<400> 557

actaatggtc tacatccgat tcaaaaccac atagttcatt gatcacagat gcatgggtatt 60
 agtcacgaaa gtttcagaac acattgtgtt gattttgaaa ggtcatttgc atcttctatg 120
 atttcaactt tatctccatt taacttgctt gtaaagtatg tatgat 166

<210> 558

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 448

<223> n = A,T,C or G

<400> 558

actccctgtt ttgagaaact ttcttgaaga acaccatagc atgctgggtg tagttgggtgc 60
 tcaccactcg gacgaggtaa ctcgtaatac cagggttaact cttaatgtta cccagcgtga 120
 actcgccggg ctggcaacct ggaacaaaag tctgatcca gtagtcacac ttctttttcc 180
 taaacaggac ggaggtgaca ttgtagctct tgtcttcttt cagctcatag atgggtggcat 240
 acatcttttg cgggtctttg tcttctctga gaattgcatt ccctgccagg cctaccacat 300
 accacttccc ctggaattgg ttgtcctgga agttctgctg cagagggacc ttgctcagag 360
 gtggggctgg gatcagggtct gaggtggagt cctgggcctg ggcatgcaga gcccccaaca 420
 gggctaggcc cagccacagg agacctangg gcatgatttc a 461

<210> 559

<211> 193

<212> DNA

<213> Homo sapiens

<400> 559

accagacaga atcaggaaaa aaaaattgaa aataagcata acactataaa gaaaacttgg 60
 aaaagtgaac cacttctaaa taaaaaatat acacctggcc tggcaccat tacatatata 120

<210>	564
<211>	427
<212>	DNA

cagaggtact	gtgtagtgg	atcagtgtta	aaaatggaag	atcattatga	agaaacaatt	60
tgtcatttgg	gtatatctgt	ttctatagga	caaggatttg	tgtctaaata	ttccttactt	120
gtatctcaga	ggactatctg	ttaaataaatt	gatcttaatg	ccagcataag	aaatcaaggg	180
aactatttct	cagacatttc	tttctctaaa	ttaagtaggg	tttcaggttc	caagttttaca	240
ttgagagAAC	tatgttacct	gggagagaat	gtaaattttt	ctaattccca	aacaaaacca	300
ctaatttcta	ggaaacattt	attgtttata	tgcagatcct	agagacttct	atttcagtgc	360
ggatcaacaa	cttcaaaaaat	atacagcctc	ctattttattt	acaataatat	ttacatacaa	420
atgaaqt						427

<211> 214

<213> Homo sapiens

tcgagggtact	gggtcttttc	cagccaggcc	tgcaacggtg	accttaatatcc	cagctcgcct	60
catgacatct	acagggatga	cgtctccat	ttcctctgct	ccttttagcca	ggatgaccag	120
agctcttttg	gaagccattt	ttatgttata	tgtttacaag	ccccacacca	ggctgaaaat	180
gaacgcacgc	cagcacgcac	gcgcgcgcgc	cggc			214

<211> 382

<213> Homo sapiens

cagaggtact	tttagttttt	tcacataact	ctctaaaggc	cttttcacaaa	agtctctttc	60
actggcatca	tctactagaa	caattttctt	tatcatgtgt	cttggtgagc	gattaatgac	120
actatggaca	gttcgcagaa	gtgtgtctca	agcctcattg	tggaaaacaa	tcaccacact	180
tgttgtagga	agattatctg	gatacacctt	tgttttacac	ccttctaacc	taacatctgg	240
taaagatctg	ttgagtgcaa	tcctctcact	tgccattaaa	ttgaactgat	tgattttaaa	300
catctctttc	atcttttctt	gacctctttt	aggaatgacg	actgggtttc	ccattttctc	360
aggaccttca	tgaggctttt	gt				382

$\langle 211 \rangle$ 271

<213> Homo sapiens

<221> misc feature

$\langle 223 \rangle$ n = A, T, C or G

cgaggtacaa	ttaccaccca	ctggaggtga	ctcagagagg	acccccagag	ggtgtctcca	60
tcttccctat	ttattttcag	cccttgaggg	cttcattgta	gatcaaagcc	aaggcccca	120
ggaagcttgac	atactcctg	aagttcacct	cctggtcctt	gttccggncc	aagtcttcca	180
tcagcgttgc	aatttcagca	tccctgacct	tcgagccaat	ggtgagctcc	ttctggatca	240
qctccttcag	ctccttcttg	ctcaggggtg	q			271

<210> 568
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 326
 <223> n = A,T,C or G

<400> 568
 cgaggtgcag tgtatattcc ttgtgtgtga atccaaatct ttttcatagg taatgacaga 60
 tgccttaatg tgaagcttat ttataatagc aataaaccta actggatttg gatgaagaag 120
 tcttaatact gacatactgg atttttaatg cactggtttg ttatttggtg ttctatctct 180
 ttttccaggc ctccagggtg cacatttatt tattatgttc aatacttttg ttcttagttc 240
 ttaaagaatc aagaagttgt gtaatctttt aaaaatatta tcttgcagat aaagaaaaaa 300
 attaagagtg tgtttacaac tgtttinctt tttttacagt 340

<210> 569
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 569
 gccaggtaaa ccaagacttg gtctcagtga agaaattcca gaggtcaccg gcaaagaagt 60
 tcccttctca tcatcttcat cttagctatt aaagatatat acagttgtac agtttgctct 120
 gatgttggca ttttatgaag agaccttgc agatac 156

<210> 570
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 176
 <223> n = A,T,C or G

<400> 570
 acagtactca gtatatctga gataaactct ataatgtttt ggataaaaat aacattccaa 60
 tcaactattgt atatatgtgc atgtattttt taaattaaag atgtctagtt gctttttata 120
 agaccaagaa ggagaaaatc cgacaacctg gaaagaattt tggtttcaact gcttgnatga 180
 tggttcccat tcatacccta taaatctcta acaaga 216

<210> 571
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 571
 tcgaggtttt gtaatccaag gttctgacta aaagcaaaaa tacacggcat agattgcaac 60
 agcaaagaag tgtccaatta aaactagagg gttaggagac aatacagaaa gcagcccaac 120
 aggaccgcga acacattcgc caccaagttt tgaaataaag aaa 163

100520010052001

<210> 572
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 572
 gccaacgtgc agcggctgaa ggagtaccgc tccaaactca tcctcttccc caggaagccc 60
 tcggcccccaga agaagggaga cagttctgct gaagaactga aactggccac ccagctgacc 120
 ggaccggtca tgcccgtccg gaacgtctat tagaag 156

<210> 573
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 573
 ctggagccgc tgtggttgct gtccgcggag tgaagcgcg tgcttttggt tgtgtccctg 60
 gccatggcgc tgcagctctc ccgggagcag ggaatcacc tgccgcggag cgccgaaatc 120
 gtggccgagt tcttctcatt cggcatcaac agcattttat atcagcgtgg catatatcca 180
 tctgaaacct ttactcgagt gcagaaatac ggactcacct tgcttgtaac tactgatctt 240
 gagctcataa aatacctaaa taatgtggtg gaacaattga aagattgggt atacaagtgt 300
 tcagttcaga aactggttgt agttatctca aatattgaaa gtggtgaggt cctggaaaga 360
 tggcagtttg atattgagtg tgacaagact gcaaaagatg acagtgcacc caga 414

<210> 574
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 574
 ctggagccgc tgtggttgct gtccgcggag tgaagcgcg tgcttttggt tgtgtccctg 60
 gccatggcgc tgcagctctc ccgggagcag ggaatcacc tgccgcggag cgccgaaatc 120
 gtggccgagt tcttctcatt cggcatcaac agcattttat atcagcgtgg catatatcca 180
 tctgaaacct ttactcgagt gcagaaatac ggactcacct tgcttgtaac tactgatctt 240
 gagctcataa aatacctaaa taatgtggtg gaacaattga aagattgggt atacaagtgt 300
 tcagttcaga aactggttgt agttatctca aatattgaaa gtggtgaggt cctggaaaga 360
 tggcagtttg atattgagtg tgacaagact gcaaaagatg acagtgcacc caga 414

<210> 575
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 383
 <223> n = A,T,C or G

<400> 575
 tggatatgggt catataggtt cggatcaaca tgaagccatg gtcctgggta tgaagaatg 60
 agtacttcag acaaacagaa ataaaagagg acactgtgac tatagccaag gaacttttgc 120
 gtatagctgt taaggagggt tgtcatctcc accagatgtg ggtttatgcc ttacctgctt 180
 gacagcctca aagggtcattg gcaagattga atgaatgggc ccacgggggc aaagcaagtc 240
 taggaaagcc agtaaatgcc caacctatta gaataaggga gaagaattag aatatcaggg 300

aagtttctgg atagaggaca agaaagaata ggctatttag aaaaaaaaag gtgtgggtccc 360
attattttca ggcttcaccc tanatgacac atgagcaaaa gccacttcg ccatcat 417

<210> 576
<211> 245
<212> DNA
<213> Homo sapiens

<400> 576
ggaagggggg accctgccaa agatgaggct ccagctgccc tggggggagg gtggtggcca 60
ttactagagg gggcctgggt cctctcccca ggggctgcca gcatccaggc caggaagcct 120
ggagccaaga accttctggc tctgagggag caagagctgg caggcggcag ggctggcaca 180
gacagacgga agcagaaagg acagtttggc tgctgtgtct gctgcgcacg cccctcccc 240
ggaca 245

<210> 577
<211> 418
<212> DNA
<213> Homo sapiens

<400> 577
gaaaaccctt taatgttggg ctttctttaa ataaaacaga aagggttgag ctttcccatg 60
gtggctgtaa ggcaagaaca gcagtgaggg cgggcgtgtt ctatcgggca gtgctgcagc 120
ccttgactct ggctcaagggt gggcttcctg gaggcagcgg caaggaggca gttctggatg 180
tgcaggcaca gatgtagggg aacaggcaag cgggcacagg gccctgagct gacaagcagt 240
gacccctgca cccagctaga tggggcaccc cctctctggg agctgagggc atcagctgga 300
gcctcaggct gggaccagcc ccaactttgc cttggtgact ctgggccatt ccaggcctca 360
gtttccccac tgtaagggtga ggcattaggc aggagggggg ggccccagcc agtgtcct 418

<210> 578
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 153
<223> n = A,T,C or G

<400> 578
aaagcccaga aggcacttta ttggaggtct ctgcctccat tcacaggaga aaggagctgg 60
gagccccatc ctaggggtccc agcatcagcc cactggaggg cctggaacag tccagcactc 120
tgtggggagag gagtggggag gggaatgttt tanaaaaaat agatctctat gtacatctga 180
catatttata tagcacataa attagggagt gctctgacct ctgcccgtgg agcccaagca 240
ctgagcaggg aggtgaacgc cagtccagaa agaagggtgt ggagcccctg ctctgttctc 300
tccatcacgg ggctccccta gggcctcccc aggcctcctt ggctcagtc aggtttgtct 360
gca 363

<210> 579
<211> 403
<212> DNA
<213> Homo sapiens

<400> 579

```
<210> 580
<211> 403
<212> DNA
<213> Homo sapiens
```

```
<210> 581
<211> 432
<212> DNA
<213> Homo sapiens
```

```
<210> 582
<211> 215
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 121, 131, 142, 144, 147, 156, 160, 174, 178, 184, 194, 206  
<223> n = A,T,C or G
```

<210> 583


```
<220>  
<221> misc_feature  
<222> 408  
<223> n = A,T,C or G
```

```
<210> 584
<211> 431
<212> DNA
<213> Homo sapiens
```

```
<210> 585
<211> 412
<212> DNA
<213> Homo sapiens
```

```
<210> 586
<211> 431
<212> DNA
<213> Homo sapiens
```

```

aagaaaaggg agccaagaag aaagtgggtg atccattttc taagaaagat tggatatgatg 60
tgaaagcacc tgctatgttc aatataagaa atattggaaa gacgctcgtc accaggaccc 120
aaggaaccaa aattgcatct gatgggtctca agggctcggtg gtttgaagtg agtccttgctg 180
atttgcagaa tgatgaagtt gcatttagaa aattcaagct gattactgaa gatgttcagg 240
gtaaaaactg cctgactaac ttccatggca tggatcttac ccgtgacaaa atgtgttcca 300
tgggtcaaaaa atggcagaca atgattgaag ctacagttga tgtcaagact accgatgggtt 360
acttgcttcg tctgttctgt gttgggttta ctaaaaaacg caacaatcag atacggaaga 420
cctcttatgc t                                     431

```

```

<210> 587
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 128
<223> n = A,T,C or G

```

```

<400> 587
aactttccca tgggtcaaagg aaaaacaagc aggagttgag tggctggggg ggggtgcagg 60
caatggagag agggcataag ggtgtagaan ctgaaggggg ctagaagctt actcctgagc 120
ttcttacntc cg                                     132

```

```

<210> 588
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 32, 47, 53, 56, 70, 72, 102, 128, 129, 165, 190, 420
<223> n = A,T,C or G

```

```

<400> 588
gggcttcttc aangaacctc agctgaaacc tntgggggat tactganttg atntgnccac 60
cagaacaggn gngctcgctt ttgttctgaa atcaaactct cnaaagaccg ggagaagggg 120
tcacccannc gtggatcggt ggcatgtgtg gaaaagggaa accgnaacgg cccgatcat 180
tgacaagccn cgaagttatt gaagtcctgc ctgctggggc cacagctgct tgttcttgct 240
cctgacagtt caaatgcctc ctttgagcct agctcgtgag atgaaagaac agaagttgtt 300
tggaccttag agccattatc cacaatcacg gatggttctc aagagttgat tgtaagaaat 360
ttccaaagaa ggctgcctgc atagtgggtc cggctgcctt ttctaggtga ttggaatcan 420
cccat                                             425

```

```

<210> 589
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 589
caacagttat tttattagga tgtcagccct ggggtccagag tgagagatag ggacagggga 60
cagcccagcg aggctgggtc ggggggtcact ccaggatgtt ccaaccacag gggcagcatc 120
tcctccactc cacatgctgg ccaagggcac agagctgccg tatcgctgc caaggggggtg 180
gctcaatgct gctgccttgg tcctgtatgg gcccggggtg ccgagaacag acagcaagcc 240

```

tcaggcgccg gtcctttgag ctttcttgat ttcctcagag agcgccctcct tcagctctgc 300
 gtaggcctgg tccaggctgt cgtaaagat gaccacatca aacaggccgg gctccttgct 360
 gctctccatg tcggcctggg cagcagccag ccgcttcacc aggctctcct cgggtttcagt 420
 gttgc 425

<210> 590
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 590
 acaagtatac atataatcta gataagggct gtaatgtttc ctaatatataa ttactgtact 60
 taaaaattta caggacatga acataaataa agctgtttta aactggcaaa cgtagtaata 120
 gtctgtcatt cagtacaagg tatattttatg ttattttccaa agccatcacc ctaaaatcct 180
 aagttgccac tcttaaaacc taaaaataat gtcgaaaact aaagtcataa atacatgtat 240
 acatacattt gcatattttac acttatgcag aaatcatcaa tatactagag cccagcttta 300
 acactgtcct tcagtttcac acagaaggac ccctaataac tgtaaataa taaatatgtc 360
 aggttaaagg gaaaaggtgt tcagggcact tcttgtctc tctgtcccat aacctacctc 420
 ccccc 425

<210> 591
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 591
 aagtatgtat gtacaagact caagtaaata gaaaggcagc tttcaatcac aaatcagttt 60
 ttcagatttt actgtggaag catattttaat gcacacattt gaatgttaca cataaataat 120
 tttaacgatg gagtccaagt tctggatttt acattagatc tgcatatata agacacttgt 180
 ggtcaaattt caagatttgt aaagccagtt tcaagctgct tatattttga gtacagggtt 240
 cactattaca aatatatgat gttaaactaa caaactcatg accttcaaag atgtcttcgt 300
 cccacgcaca cacatttgta atttgtgtcc atttgtctatt tcccttcttc tataatcttc 360
 aaattatata gttatgcatt gagttcccta tgcactctac ccatctcctt tatctcagcc 420
 ttctc 425

<210> 592
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 592
 agtgaaaatg ggttggtttt tgtcttcgac gctcagggctc tggggcgctc gcatttgcag 60
 tctgttgtga cagacacggg gagctccgag tgccagcctg tggctgccct gctgtggggg 120
 tcctggggcc ggcgaggccc cttcagtcct gttctggggg gacggcccac tccggggagg 180
 ggggtgtgctg tgctgagcgc tgtatccctg aatatagttt attttttcta catttgaatt 240
 ctgttgtaga tttatgtaaa aatacattct ttttgaaaat aaaaattttc atgtcttct 299

<210> 593
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 593
 tttttttttc tttttcccag gaggcggcga cggcggcggc ggggggagag gaagagaaag 60

```

aagcgtctcc agctgaagcc aatgcagccc tccggctctc cgcgaagaag ttccctgccc 120
cgatgagccc ccgccgtgcg tccccgacta tccccaggcg ggcgtggggc accggggccca 180
gcgccgacga tcgctgccgt tttgcccttg ggagtaggat gtggtgaaaag gatggggctt 240
ctcccttacg gggctcaciaa tggccagaaa agattccgtg aagtgtctgc gctgcctgct 300
ctacgccctc aatctgctct tttggaatca tcacattcca cttctaaaag gagctttaaa 360
gatggcctgg ttgaacgtcc ttcctttgtg agtgaggaaa ttaagtgcag attaagtgac 420
ttgcc                                         425

```

```

<210> 594
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 594
gtcactagct ggctaaggct taaagcagag acgtgtgact gggctctctcg ggagggcctc 60
tggttcttcc cgggctcagg cttgctgggg gctggggggc agggctctcg cgacctagag 120
gtgtggacgg cacagctgca ggaggccttc tcttaaccct ccgagagtgg gactgggaga 180
tttctcttga agtcccaaag aggccctgtg cccaggggac ctctctctcg gcctcccagg 240
tgggtgggtgc aagctggttc ttggccatgc tccaggctcg ggtgggcaca ggcgtccact 300
ccagtgtgct gcgtgcttgt gagactgcct gttctgggac cagcccctgg gctcttccac 360
caagatttgg tgagggtccc cctctgcctc tcacagaagc ccctggccct ggactgtcct 420
ggggg                                         425

```

```

<210> 595
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 43, 102, 126, 154, 158, 160
<223> n = A,T,C or G

```

```

<400> 595
ctttacatta ttttttttcc aaaaagacta gtatttatac aangggcaat agaaacaaaa 60
acaaaaaccc ttccgactgc cacctggaag gggctggctg gnetgctccc tctcccacct 120
ggaacngggg ggggcactgg gcaggaggga atgnngangn gg                               162

```

```

<210> 596
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 106, 111, 115, 120, 127, 131, 144, 150, 153, 155, 160,
166, 171, 176, 182, 201, 203, 205, 212, 220, 221, 224, 232,
239, 242, 259
<223> n = A,T,C or G

```

```

<400> 596
aaggtagctc aacacnctct tcctcaagga cttcttggtg atactctctt gtcttttcca 60
gttaccctct tcctcctttg tcctctgtgc ttgggctcac aacttnatgg nctgnacttn 120
ataaaanaac natggcaact ttgnccctgan tgnccnccctn cccaanctga nctggntgga 180

```

anaagaaact tggaaactat ntnanccatg gntttgggan nctnccccct tncccatgnc 240
tnctaataaa accatgcant gcctttggag agaagagacc ccc 283

<210> 597
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 41, 43, 46, 197, 200, 207, 211, 217, 255, 277, 287, 293,
297, 304, 318, 327, 333, 355, 357, 359, 375, 379, 380, 394,
405, 407, 409
<223> n = A,T,C or G

<400> 597
gaaatacaaa tgtggattct catcactgaa aaatctttga ngntgngttt attcctttca 60
tcatttttta aatatttttt ttactgccta tgggctgtga tgtatataga agttgtacat 120
taaacatacc ctcatTTTTT tcttttcttt tttttttttt ttttagccc aaagtttttag 180
tttctttttc atgatgnggn acctccnaag ngatggnaga tttaaataat tttttatttt 240
tattttatat attnttcat tagggccttt tctcccnaaa acgaaanaaa aantccnaaa 300
aacnaaacc aaaaaaanag agggtantgt ccnagtttct gtatgtataa agtcntncnc 360
gatttcagga gagcncctgnn cccaatttgc tccntgaatc aaggngngna aatggttttt 420
ttggcg 426

<210> 598
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 241, 262, 300, 309, 312, 318, 327, 329, 385, 390, 399, 402
<223> n = A,T,C or G

<400> 598
tttttttttt tttttttttg ccacctagag atgataatTT attgtttttac catgactcag 60
aagagaaaca acataaagag aatattttcaa atccccacaa tttccttctc aacctcacta 120
ctcttaacat ttctttatca gacgccactg gcttcctaaa atggaccctg gactatgtat 180
ggggaccaca ttcatTTTgc tgcctttcct cttatgatta aaacttttagc cctcattcga 240
nggttccaat ggtactttta gnggaggagt ccttagcttt taaaaaaacc acttttctn 300
taaaatcct tntttatnga aaaaaancnt ttttaaaaat gttaaggagg attttaaatg 360
accatattca attaaaaaaa aaatnccttn tggaacatnt tngcagaaac ct 412

<210> 599
<211> 415
<212> DNA
<213> Homo sapiens

<400> 599
ccaagatgac aaagaaaaga aggaacaatg gtcgtgccaa aaagggccgc ggccacgtgc 60
agcctattcg ctgcactaac tgtgccgat gcgtgcccaa ggacaaggcc attaagaaat 120
tcgtcattcg aaacatagtg gaggccgcag cagtcaggga catttctgaa gcgagcgtct 180
tcgatgcta tgtgcttccc aagctgtatg tgaagctaca ttactgtgtg agttgtgcaa 240

ttcacagcaa agtagtcagg aatcgatctc gtgaagcccg caaggaccga acacccccac 300
 cccgatttag acctgcgggt gctgccccac gtccccacc aaagcccatg taaggagctg 360
 agttcttaaa gactgaagac aggctattct ctggagaaaa ataaaatgga aattg 415

<210> 600
 <211> 208
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45, 66
 <223> n = A,T,C or G

<400> 600
 aaaccgcctt tttttttttt ttttttttaa tatgcagttt gtaanaacaa aactggatgg 60
 catcanaatt gtctggaagt ttgtcttggt gcagtatggg ctgggccaaa tgaaatgatt 120
 ttataaattc taaacagggt accaaatgaa atgtcatggc ttacttttgg caattaaagg 180
 ggggaatttt tttaaaaaaa aaaaaaaaa 208

<210> 601
 <211> 165
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19
 <223> n = A,T,C or G

<400> 601
 tgcaggtcga cactagtgna tccaaagaaa gtaacctaaa cttgacctgc ttaatacatt 60
 ctagggcaga gaaccagga tgggacacta aaaaaatgtg tttatttcat tatctgcttg 120
 gatttatttg tgtttttgta acacaaaaaa taaatgtttt gatat 165

<210> 602
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 602
 aaaacggttt tgccgagttg ggacgtccac tgctgtcaag tcaaccagag atttgaactg 60
 tgcattggtg tgatccctga ggaaagtcag cactgggatg acgcatcag gatggatata 120
 gacctctaac tcattgaagc aggacacctg aacttggttg acatacttgg gcaagatttc 180
 agccacatac tctccaaaag ctgagagctg cttgtggggc acatcattcc gtgggtctgac 240
 agtggggcgc gtgtcggccc cggcgtctc ccgcctcacc ggcagcaaca gaacggaggg 300
 tcgcccagtc cccctggtca gcgcccaggc cccaagatc ccgcgccacc acagcctggc 360
 taccgccgcc gcgagtactt ctagagcggc cgcgggcccc tcgattttcc acccgg 416

<210> 603
 <211> 416
 <212> DNA
 <213> Homo sapiens

10025330-101901

ctgaattctt taatttaaaa aaatcatacc taqgaqgtgt gctataqgaa ttcagataca 60

```

ataagttgca tataaaaccc gacctcattg ctcatgtgtg taaagcaagg atgatgagaa 120
aatgcacctc aggagcaaaa acacgcttta cgggcactcc gggacccaag tcccgagaca 180
tttccacgtg accttctgga aagacacacc gcccacctga ctgcacgacg ggactgggtcc 240
agcctcccg g ctcctcagga aggagatgag tttcctacaa agtgagtggc cacagctcca 300
ggacagggcg tccacatgtc gttgtgggtc tggctggatt ttgaggtgcc gaggaactgg 360
tcggtgtcct gatcgtattg tacgtgggtg tctcgatctc ccaactgcc taa 413

```

```

<210> 607
<211> 414
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 376, 384
<223> n = A,T,C or G

```

```

<400> 607
attttcatta aaactgtcag aatttgctta ctataattat gatacagtcc aaagaatgca 60
gtcacttttt atcatgttaa ctaattgttc tcttttgaag atctatgggt gactaattaa 120
acaataattc aagtagagtg tcccagaaaa aaaccacttg ggctccctgt ttggagtctg 180
gctggctctg agcattgcca atggccctta ctacactgac tttgtatcct ctccttttag 240
aggctttgca ttctgcaccc agcttcaact acagtggggt gaaaacatcc ttgggttgag 300
tgtttcattt gggagttatt tggccagggc cttttgaaca gtaagtgtcc ccatgaagtg 360
ctagataata tatgngntaa agangtcagc ttttttttt tttttaactc taac 414

```

```

<210> 608
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 22, 288, 307, 310, 322, 336, 340, 343, 352, 353, 372, 381,
395, 408
<223> n = A,T,C or G

```

```

<400> 608
gcagtgggtc gatcttaagg gncatatatat ttgcacctcc tcattcaaca cagggctgga 60
ggttctacaa caggaaatca ggcctacagc atcctgtgta tcttgcagtt gggattttta 120
aacatactat aaagtctgtg ttggtatagt acccttcata aggaaaaaat gaagtaatgc 180
ctataagtag caggcctttg tacctcagtg tgaagagaaa tcaagagatg ctaaaagctt 240
tacaatggaa gtggcctcat ggatgaatcc ggggtatgag ccagganaa cgtgctgctt 300
tttggttnacn tatccctttt tntcttaaga aagcanggtt ctntcttatt annaaatatg 360
ttaaaaaatg gnaagcaaac nacaggtgcc tttnaaaatt accaattntt aactt 415

```

```

<210> 609
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 609
ggtttttaaaa ttatttcttg aatctctcca tacacaggca aaaataagtg tgttacttaa 60
catactggaa attgcctaac ttaatcattg cctaaagaag agaaaattat ccccaaacg 120

```



```

tgcttaacca ggaggccaat gcatttgccg acctccaaga acatggagat gaacgtgata 180
gacagactgt ccaccatctg aaccttcatt caccaccatt cgataaccct tattcaggcc 240
cagatcagca gcacatttct tgccaacaat cattaagtgt ccaagaagac tttcatcatc 300
atcttctgcc acagaaatct gggatatatg tttcttgggt atcaccagaa aatgtgttg 360
tgcttgaggg gaaatgtcat ggaaagcaag gcaccggtca tccttaaaaa tgattttggc 420

```

```

<210> 610
<211> 158
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 25, 29, 31, 37, 66, 83, 86
<223> n = A,T,C or G

```

```

<400> 610
caactttaaa aaaaaggggg cggtnaaana nccaaanata aaaaggtccc tttggtggat 60
aaaggnccct ttccggggacc ggnccnggac ccacctttgg gcccaaaggg ggattttaccg 120
ggtaaaccba gccttttaaag cgttgggggt taaatttc 158

```

```

<210> 611
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 132, 147, 152, 154
<223> n = A,T,C or G

```

```

<400> 611
tcgacactag tggatccaaa ggaagatggc ggacattcag actgagcgtg cctacccaaa 60
gcagccgacc atctttcaaa acaagaagag ggtcctgctg ggagaaactg gcaaggagaa 120
gctcccgcgg tntacaaga acatcgntct gngnttcaa 159

```

```

<210> 612
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 612
gcatttttta ttaagacatt tggggccoga gtttcctctc ctctcccct ccatcctgtg 60
ctctctaaat tcagcttttg gaaacctaa gttgcccacc ttcccagca ggtagccaga 120
gcctccgggg tccctcttcc ttcttcttt ctcccagat actgcaagag acaccaagt 180
ctgctgtcag cagagggtga agcgtctggc actgatgttc atgcgcgtga gtcccagatg 240
ccgcagcggg ggggccagag gcaagccagt cccagactct aactccatct ccagctcagc 300
ctcatccaga agctcctggt gcagggtgaca gacttgggtc actttcagtc tgtgcagccg 360
ggcccgcagc ctgagcagct gccctgccag ctgcgggtcc tgagcccga tctcctgca 419

```

```

<210> 613
<211> 419
<212> DNA

```

<223> n = A, T, C or G

```

<400> 616
tgatgccacc ccgtcacccc tcccctcctg agcagggatc caagaatgtg ccaagagtcc 60
cgccagcctc agccaggtgg gcctgtatat aggggccatg tgcaataggg agggacgtct 120
tctatTTTTT gctgccccct ccccgcccac tgtctngggg cagggggaga aggtatTTTc 180
nagataaagc acangcacca caaataaaaag                               210

```

```

<210> 617
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 617
acgagctttc gtggctcact ccctttcctc tgcctgccgt cggtcacgct tgtgcccga 60
ggaggaaaca gtgacagacc tggagactgc agttctctat ccttcacaca gctctttcac 120
catgcctgga tcacttcctt tgaatgcaga agcttgctgg ccaaaagatg tgggaattgt 180
tgcccttgag atctatTTTc cttctcaata tgttgatcaa gcagagttgg aaaaatatga 240
tgggtgtagat gctggaaagt ataccattgg cttggggccag gccaaagatgg gcttctgcac 300
agatagagaa gatattaact ctctttgcat gactgtgggt cagaatctta tggagagaaa 360
taacctttcc tatgattgca ttgggcggct ggaagtggga acagagacaa tcatcgacaa 420
atcaaagtct gtgaagacta atttgatgca gctgtttgaa gagtctggga atacagatat 480
agaaggaatc gacacaacta atgcatgcta t                               511

```

```

<210> 618
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 618
acgaggccac agaggcggcg gagagatggc cttcagcggg tcccaggctc cctacctgag 60
tccagctgtc cccttttctg ggactattca aggaggtctc caggacggac ttcagatcac 120
tgtcaatggg accgtttctc gctccagtgg aaccagggtt gctgtgaact ttcagactgg 180
cttcagtgga aatgacattg ccttccactt caacctcggg tttgaagatg gagggtagct 240
ggtgtgcaac acgaggcaga acggaagctg gggggccgag gagaggaaga cacacatgcc 300
tttcagaag gggatgccct ttgacctctg cttcctgggt cagagctcag atttcaagg 360
gatggtgaac gggatcctct tcgtgcagta cttccacgcg gtgcccttcc accgtgtgga 420
caccatctcc gtcaatggct ctgtgcagct gtccatcac agcttccagc ctcccggcgt 480
gtggcctgcc aaccgggctc ccattaccca g                               511

```

```

<210> 619
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 619
gaattcggca cgagctggac aggagaagag cctggctgct gaaggcaggg ctgacacgac 60
cacgggcagc attgctggag ccccagagga tgaaagatcg cagagcacag cccccaggc 120
accagagtgc ttcgaccctg ccggaccggc tgggctcgtg aggccgacat ctggcctttc 180
ccaggggccc ggaaaggaaa ccttggaaaag tgctctaate gctctagact ctgaaaaacc 240
caagaaactt cgcttccacc caaagcagct gtacttctct gccaggcagg gtgagctgca 300
gaaggtgctt ctcatgctgg ttgatggaat tgatcccaac ttcaaatgg agcaccaaaag 360
taagcgttcc ccattacatg ctgctgcgga ggctggccac gtggacatct gcc          413

```

```

<210> 620

```

<211> 415
 <212> DNA
 <213> Homo sapiens

<400> 620
 gaattcggca cgagcggcga cgggtggtggt gactgagcgg agcccgggtga caggatggtg 60
 gtgtttggtat taggagatct gcacatccca caccgggtgca acagtttgcc agctaaattc 120
 aaaaaactcc tgggtgccagg aaaaattcag cacattctct gcacaggaaa cctttgcacc 180
 aaagagagtt atgactatct caagactctg gctggtgatg ttcattattgt gagaggagac 240
 ttgatgaga atctgaatta tccagaacag aaagtttgtga ctggttgaca gttcaaaatt 300
 ggtctgatcc atggacatca agttattcca tggggagata tggccagctt agccctgttg 360
 cagaggcaat ttgatgtgga cattcttattc tcgggacaca cacacaaatt tgaag 415

<210> 621
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 621
 agaattcngc acgagtggca gcctaagccg tgggaggggtt ccagtcgaga atgggaagat 60
 gaaagacttc agatggaaca gaaataaatg ccttttttga caaacgcagc agtgcgtgcc 120
 tctagcttgc aagagcgtta ctcccccttca tagcttttaa aggttttcgc actgcgtgca 180
 gttagagtag ctaaattcttg tgtgacgctc cacaaacact tgtaagaatt ttgcagagaa 240
 agataaccgt tgccacccaa tgccccccac aggcatctta ctccccagta cctcttaggg 300
 tgggagaaat ggtgaagagt tgttcctaca acttgctaac ctagtggaca gggtagtaga 360
 ttagcatcat ccgcatagat gtgaagagga cggctgtttg gataataatt aaggataaaa 420
 t 421

<210> 622
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 11, 17
 <223> n = A,T,C or G

<400> 622
 cccggggngg ncctggncat aaaactttta attttactag tgttacttaa tgtatattct 60
 aaaaagagaa tgcagtaact aatgccctaa atgtttgatc tctgtttgtc attacttttt 120
 caaaattatt tttttctgta aagtataata tataaaactt cttgcttaaa ttgaatttct 180
 atattagtgg ttaattgcag tttattaaag ggatcattat cagtaatttc atagcaactg 240
 ttctagtgtt ttgtgttttt aaaacagaat taggaatttg agatatctga ttatattttt 300
 catatgaatc acagacctcg gccgcgacca cgctaagggc gaattccagc acactggcgg 360
 ccgctactag tggatccgag ctcggtacca agcttgggag taatcatggt catagcctgt 420
 ttctgtgtg a 431

<210> 623

10052001

<211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 81, 101, 103, 107, 111, 112, 180, 309, 331, 388, 404, 415
 <223> n = A,T,C or G

<400> 623
 agaattcggc acgaggaaac atggactgcc ccttaaattt tgactgtcct aaaaacctat 60
 ttctgattta taatatgctg nctgataaag tgacactaga ngnaccnact nnatggttta 120
 aatcttccca ttcccagaat ccagaatttt ggaagccatt ttaaccaggg gtatTTTTtn 180
 caccattacc ttttgggaact ttccaaatta atggcctttt aaaaagggtg gaaggggaaa 240
 accaaaaggc caaaatttta aaaagggttg gggggggaac cttaaaaaaa aaaatgggtt 300
 ttggggccnc ctttttttaa aaggccaaaa nttttttggg ttccaattaa aaaaatttcc 360
 tttttccaac ccaaaattaa gaaaaggnaa aattaaaaaa attncaaaaa ttggnTTTT 420
 t 421

<210> 624
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 624
 aagaattcgg cactgagcga tgtgctcact gacattctac tccaagtcgg agatgcagat 60
 ccactccaag tcacacaccg agaccaagcc ccacaagtgc ccacattgct ccaagacctt 120
 cgccaacagc tcctacctgg cccagcacat ccgtatacac tcaggggcta agccctacag 180
 ttgtaacttc tgtgagaaat ccttccgcca gctctccac cttcagcagc acaccogaat 240
 ccacactggt gatagaccat acaaagtgtg acaccaggc tgtgagaaag cttcacaca 300
 actctccaat ctgcagtccc acagacggca acacaacaaa gataaacctt tcaagtgcc 360
 caactgtcat cgggcgtaca cggatgcagc ctactagag gtgcacctgt ctacgcacac 420
 a 421

<210> 625
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 625
 agaattcggc acgagctact ccttgccgcg tggcactccg cagcctttaa gggtcgcgcg 60
 ggggccaggc aagagtttag catgaagagc ctcaagtccc gcctgaggag gcaggacgtg 120
 cccggccccg cgtcgtctgg cgccgcgcgc gccagcgcgc atgcagcaga ttggaataaa 180
 tatgatgacc gattgatgaa agcagcagaa aggggggatg tagaaaaagt gacgtcaatc 240
 cttgctaaaa aggggggtcaa tccaggcaaa ctagatgtgg aaggcagatc tgtcttccat 300
 gttgtgacct caaaggggaa tcttgagtgt ttgaatgcc a tccttataca tggagttgat 360
 attacaacca gtgacactgc agggagaaat gctcttcacc tggctgctaa gtatggacat 420
 g 421

<210> 626
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 626
 agaattgatc tatagattta atgcaatgcc tactaaaatc ccagtacgat tttttacagg 60
 catagacaat agacatagcc aaaactttatt ctaaaataca tatgaagatg cacaggccct 120
 agttatacaa tcttgacaaa gaagaataaa gtgggaagaa tctatttgat ttttaaggctt 180
 accatgtaac tacagtcatc aagagagtgt ggtatcggca gacggtcaga catacagatc 240
 aatggaatgt aacagaggac ccagaaatag gccacacag atatgctcaa tggatatttg 300
 acaagcgtgc aaaacaattc aatggaagaa taagctttca aaaaaatggc gttggagcaa 360
 cgggacatcc ataggaaaaa atgaacccat acctaaacca taaaccttat ataaaaataa 420
 acacaaaatg aatcataggc tttaatgtaa gctataaaac ttttagagaa aaacac 476

<210> 627
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 627
 tagccctcgg tgaagcccca gaccacagct atgagtcctt tcgtgtgacg tctgcgcaga 60
 aacatgttct gcatgtccag ctcaaccggc ccaacaagag gaatgccatg aacaaggctt 120
 tctggagaga gatggtagag tgcttcaaca agatttcgag agacgctgac tgtcgggcgg 180
 tgggtgatctc tgggtgcagga aaaatgttca ctgcagggtat tgacctgatg gacatggctt 240
 cggacatcct gcagcccaaa ggagatgatg tggcccggat cagctggtac ctccgtgaca 300
 tcatcactcg ataccaggag accttcaacg tcatcgagag gtgccccaaag cccgtgattg 360
 ctgccgtcca tgggggctgc attggcggag gtgtggacct tgtcaccgcc tgtgacatcc 420
 ggtactgtgc ccaggatgct ttcttccagg tgaaggaggt ggacgtgggt ttggctgccc 480
 atgtaggaac actgcagcgc ctg 503

<210> 628
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 628
 taagtccagg ggaataact gtaggcattc ctggaatcac tgtcttctgt tccattgtgt 60
 cttgggtcca gcggctcctc ttccgcttct tacttgggaa gtccaacggc gtggcggttcg 120
 ctccggtcgc catggcgccc ccggggacag gcaccggcac ctgcttttcc tctgcggcgg 180
 cttctccttc gcaagcctcc cggggggagg ggaccgaat gcgctgccgg agcgcgcgga 240
 gcccgctcc 248

<210> 629
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 629
 actgccagtc caaaggcatc gtggtgaccg cctacagccc cctcggctct cctgacaggc 60
 cctgggccaa gcccgaggac ctttctctcc tggaggatc 99

<210> 630
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 630
 gaagacatga tgctacactc agctttgggt ctctgcctct tactcgtcac agtttcttcc 60

```

aaccttgcca ttgcaataaa aaaggaaaag aggcctcctc agacactctc aagaggatgg 120
ggagatgaca tcacttgggt acaaacttat gaagaaggtc tcttttatgc tcaaaaaagt 180
aagaagccat taatggttat tcatcacctg gaggattgtc aatactctca agcactaaag 240
aaagtatttg cccaaaatga agaaatacaa gaaatggctc agaataagtt catcatgcta 300
aaccttatgc atgaaaccac tgataagaat ttatcacctg atgggcaata tgtgcctaga 360
atcatgtttg tagacccttc tttaacagtt agagctgaca tagctggaag atactctaac 420
agattgtaca catatgagcc tcgggattta cccctattga tagaaaacat gaagaaagca 480
ttaagactta ttcagtcaga gctataagag atgatggaaa aaagccttca cttcaaagaa 540
gtcaaatttc atgaagaaaa cctctggcac attgacaaat actaaatgtg caagtatata 600
gattttgtaa tattactatt tagttttttt aatgtgtttg 640

```

```

<210> 631
<211> 168
<212> PRT
<213> Homo sapiens

```

```

<400> 631
Glu Asp Met Met Leu His Ser Ala Leu Gly Leu Cys Leu Leu Leu Val
 1             5             10             15
Thr Val Ser Ser Asn Leu Ala Ile Ala Ile Lys Lys Glu Lys Arg Pro
      20             25             30
Pro Gln Thr Leu Ser Arg Gly Trp Gly Asp Asp Ile Thr Trp Val Gln
      35             40             45
Thr Tyr Glu Glu Gly Leu Phe Tyr Ala Gln Lys Ser Lys Lys Pro Leu
      50             55             60
Met Val Ile His His Leu Glu Asp Cys Gln Tyr Ser Gln Ala Leu Lys
      65             70             75             80
Lys Val Phe Ala Gln Asn Glu Glu Ile Gln Glu Met Ala Gln Asn Lys
      85             90             95
Phe Ile Met Leu Asn Leu Met His Glu Thr Thr Asp Lys Asn Leu Ser
      100            105            110
Pro Asp Gly Gln Tyr Val Pro Arg Ile Met Phe Val Asp Pro Ser Leu
      115            120            125
Thr Val Arg Ala Asp Ile Ala Gly Arg Tyr Ser Asn Arg Leu Tyr Thr
      130            135            140
Tyr Glu Pro Arg Asp Leu Pro Leu Leu Ile Glu Asn Met Lys Lys Ala
      145            150            155            160
Leu Arg Leu Ile Gln Ser Glu Leu
      165

```

```

<210> 632
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 285, 390
<223> n = A,T,C or G

```

```

<400> 632
gcccgacgt aggtagtgtt ttgggcccggg ttctgaggcc ttgcttctct ttacttttcc 60
actctaggcc acgatgccgc agtaccagac ctgggaggag ttcagccgcg ctgccgagaa 120

```

```

gctttacctc gctgacccta tgaaggcacg tgtggttctc aaatataggc attctgatgg 180
gaacttggtg gttaaagtaa cagatgattt agtttggttg gtgtataaaa cagaccaagc 240
tcaagatgta aagaaaattg agaaattcca cagtcaacta atgcnactta tggtagccaa 300
ggaagcccg c aatgttacca tggaaactga gtgaatggtt tgaaatgaaa ctttgtcgtg 360
tacttaggaa gtaaatatct tttgaattan aaaaagtgtt gg 402

```

```

<210> 633
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 278, 387
<223> n = A,T,C or G

```

```

<400> 633
gcggagtcgg gtgggttggc ggctataaag ctggtagcga aggggaggcg ccgcggactg 60
tcctttcgtg gctcaactcc tttcctctgc tgccgctcgg tcacgcttgc tctttcacca 120
tgcttgatc acttcctttg aatgcagaag cttgctggcc aaaagatgtg ggaattgttg 180
cccttgagat ctattttctt tctcaatatg ttgatcaagc agagttggaa aaatatgatg 240
gtgtagatgc tggaaagtat accattggct tgggccangc caagatgggc ttctgcacag 300
atagagaaga tattaactct ctttgcatac ctgtggttca gaatcttatg gagagaaata 360
acctttccta tgattgcatt gggcggntgg aagttggaac ag 402

```

```

<210> 634
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 354, 363, 368, 369, 375
<223> n = A,T,C or G

```

```

<400> 634
tgcaggtcga cactagtgga tccaaanaat tcggcacgag gctggcaaga agagacgagg 60
cccggctgtg gagcaactga accgggtgac tgtcccaagc tggactccct ggtggccag 120
cagctgcaga gcaagaatga gtgtggaatc cttgccgacc ccaaggggcc cttccgggag 180
tgccatagca agctggaccc ccagggtgcc gtgcgcgact gtgtctatga ccgctgcctg 240
ctgccaggcc agtctgggcc actgtgtgac gcaactggcca cctatgctgc tgcattgccag 300
gctgctggag ccacagtga cccctggagg agtgaagaac tttgccact tganctgcca 360
ccncacann cctatnaggcg tgttct 386

```

```

<210> 635
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<400> 635
gccaccactt cgtagtgttt tggaaacaa ccaagttaaag aaagaagata tttatgcagt 60
ggagatagtt ggtggtgcta cacgaatccc tgcggtaaaa gagaagatca gcaaattttt 120
cggtaaagaa cttagtacaa cattaaatgc tgatgaagct gtcactcgag gctgtgcatt 180
gcagtgtgcc atcttatcgc ctgctttcaa agtcagagaa ttttctatca ctgatgtagt 240

```



```
<210> 636
<211> 403
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 321
<223> n = A,T,C or G
```

```
<210> 637
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 24
<223> n = A,T,C or G
```

```
<210> 638
<211> 404
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 324, 353, 371  
<223> n = A,T,C or G
```

<400> 638

gcgctgccgc cgattccgga tctcattgcc acgcgcccc gacgaccgcc cgacgtgcat 60
 tcccgaattcc ttttggttcc aagtccaata tggcaactct aaaggatcag ctgatttata 120
 atctttctaaa ggaagaacag accccccaga ataagattac agttgttggg gttggtgctg 180
 ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa cttgctcttg 240
 ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat ggcagccttt 300
 tcttagaaca ccaaagattg tctntggcaa agactataat gtaactgcaa ctncagctgg 360
 cattatcacg ntggggacgt cagaagaagg agaaagccgc ttat 404

<210> 639
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 368, 375, 382, 384
 <223> n = A,T,C or G

<400> 639
 gcatgtaccg agcaacttcgg ctctctgcgc gctcgcgtcc cctcgtgcgg gctccagccg 60
 cagccttagc ttccggtccc ggcttgggtg gcgcggccgt gccctcgttt tggcctccga 120
 acgcggctcg aatggcaagc caaaattcct tccgataga atatgatacc tttggtgaac 180
 taaaggtgcc aaatgataag tattatggcg cccagaccgt gagatctacg atgaacttta 240
 agattggagg tgtgacagaa cgcattgcaa cccagttat taaagctttt ggcattctga 300
 aacgagcggc cgctgaagta aaccaggatt atggctctga tccaaaaatt gctaattgcaa 360
 taatgaangc agcanatgaa gnantgaag gtaaataaaa tgat 404

<210> 640
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 640
 ggccaagtca gcttcttctg agagagtctc tagaagacat gatgctacac tcagcttttg 60
 gtctctgcct ctactcgtc acagtctctt ccaaccttgc cattgcaata aaaaaggaaa 120
 agaggcctcc tcagacactc tcaagaggat ggggagatga catcacttgg gtacaaactt 180
 atgaagaagg tctcttttat gctcaaaaaa gtaagaagcc attaatggtt attcatcacc 240
 tggaggattg tcaatactct caagcactaa agaaagtatt tgcccaaat gaagaaatac 300
 aagaaatggc tcagaataag ttcattcatgc taaaccttat gcatgaaacc actgataaga 360
 atttatcacc tgatgggcaa tatgtgcta gaatcatgtt t 401

<210> 641
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 170, 227, 252, 261, 285, 329, 341, 361, 367, 382, 386, 387,
 391, 395, 401
 <223> n = A,T,C or G

<400> 641
 ggctcatcgc agacaccagc cgacctaccg gctttcggac catggccaac ctgagcgta 60

```

ccttcattgc catcaagcca gatggcgtgc agcgcggcct ggtgggag atcatcaaac 120
gattcgagca gaaggggttc cgctggtggc catgaagtgc ctccgggctn ttgaagaaca 180
cctgaacagc attacatcga ccctgaacga accgtccttt cttccnggg gctggtgaaa 240
tacatgaact tnggggccat nggtggcatg ggcttgaggaa ggggntcaat ggtggtggaa 300
aaccggcccg aatgattctt ggggggaana acaaatccaa nttgatttaa aaaccaggca 360
nccattnccg ggggggattt tnttgnnttt naaanttggg nagg 404

```

```

<210> 642
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

```

```

<400> 642
tgcaggtcga cactagtggg tccaantaat tcggcagcag gagcaaaggc acatcttaaa 60
tggcagggga actacccttg atacaaccat cagatctcat gagactcact gtcattgagaa 120
cagcagcatg ggggtaacgg ccccatgatt caattacctc ccactgagtc cctccacga 180
catatgggga ttatgggagc tacaattcaa gatgagattt aggtggggac acagccaaac 240
catttcaata gcataacacc aaaaaagggt atagagcagt aaaagggttg atggaccatg 300
catcagtaat aataataata attataagtg atcttttaac attcatcagg tgccaagcct 360
cgtgcc 366

```

```

<210> 643
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 145, 172, 174, 186, 187, 188, 193, 199, 200, 203, 205, 206,
211, 213, 216, 218, 221, 229, 234, 239, 248, 251, 253, 256,
257, 263, 264, 269, 272, 298, 314, 336, 339, 356, 365, 370,
392, 394
<223> n = A,T,C or G

```

```

<400> 643
gtgacctgat gagacagtta attatggcca atccacaaat gcagcagttg atacagagaa 60
atccagaaat tagtcatatg ttgaataatc cagatataat gagacaaacg ttggaacttg 120
ccaggaatcc acaatgatgc agganaagat gaagaaccaa gacccaactt tnancaacct 180
aaaaannntt ccnagggggn ttannngttt nanggnctt ntccccaant ttnagganc 240
cattgttnat ngntgnncaa aannagttng gnggaaatcc ttttgtttcc ttggggganca 300
atacatcctt tggngaagggt agtcaacctt cccgtncana aattagaaat cccctnccca 360
atccttgggg tccacaaact tcccaaagtt antnagtttc cac 403

```

```

<210> 644
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> 117, 119, 124, 130, 131, 132, 136, 139, 141, 144, 148, 149,
 150, 155, 158, 159, 161, 163, 164, 165, 168, 169, 174, 176,
 177, 180, 183, 185, 193, 194, 199, 201, 203, 204, 209, 220,
 233, 235, 242, 248, 251, 265, 275, 282, 287, 294, 297
 <223> n = A,T,C or G

<221> misc_feature
 <222> 307, 311, 373, 378
 <223> n = A,T,C or G

<400> 644
 ggggatgaca gccctaacaa gaactgtttt tgaatcggtg tgcagctcca ggcaatagag 60
 tatgtgaagc gatttcagta gaatcactta ctcatcctaa aagaaaacat tattccnant 120
 accntccttn nnattncnt ntntaannn aaacntanng ntntnngnnt gttnannggn 180
 atnancctta aanntgcant ntntttant cctccaaatn tttttcggtt tcntntgaga 240
 ancaccanaa nctttctttc ccttntcttc agtanttgca anagganacc tccnttnagg 300
 actggcntag ngaacgtaat ccattgctta actgccatta aacagcccca tgggtggatt 360
 tttttttttt ttngagtngg ctttccaaaa ccttgtcaaa aac 403

<210> 645
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 205, 223, 262, 281, 339, 357, 369, 374, 387
 <223> n = A,T,C or G

<400> 645
 ggcgccttcca ggccgcactc cagagccaaa agagctccat ggccggcggcg gccaaagccca 60
 acaacctttc cctggtggtg caccgaccgg gggacttgcg cctggagaac tatectatcc 120
 ctgaaccagg cccaaatgag gtcttgctga ggatgcattc tgttggaatc ttgtggctta 180
 aatgtcacta ctgggagtat gggcnaattg ggaattttat tgngaaaaac ccatgggggt 240
 ggacatgaag ttccgacagt cnaaaaagtg ggatcatcgg naaagacctt aaaccagggt 300
 atcggttgca tcacctgggc tcccgaaaaa tgataattnt gaagatggcc atacatntgt 360
 accttcatnt ttnttggcac ccccccnata cggaactttg cggtt 405

<210> 646
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 378
 <223> n = A,T,C or G

<400> 646
 ggaacccagt gcctgcagcc atggctcccg gccagctcgc cttatttagt gtctctgaca 60
 aaaccggcct tgtggaattt gcaagaaacc tgaccgctct tggtttgaat ctggctcgctt 120
 ccggagggac tgcaaaagct ctccagggatg ctgggtctggc agtcagagat gtctctgagt 180
 tgacgggatt tcttgaaatg ttggggggac gtgtgaaaac tttgcatcct gcagtccatg 240

```
<210> 647
<211> 412
<212> DNA
<213> Homo sapiens
```

<400> 647						
ggtcgccccg	cgccccagcc	cggccgcggc	gctccccgcc	tccccgctag	cgcannccggc	60
ngntctgntc	ggctgattnc	cagctatgan	acaaggagaa	tgaaaatatg	aagaaaaagc	120
tgaacaaaaa	agttanntag	ctaaaacagg	acttgcagnn	ttnaaaacag	gtccttgatg	180
gcaaagaaga	ggttgagaaa	caacntagag	aaaatattna	aantctaaat	tccatggtag	240
aacgccaaga	gaaagatctt	ggccgtcttc	aggtagacat	ggatgaactt	gaagaaaaga	300
accgaagtat	tcangctgcc	tggatagtgc	atacaaagaa	cttactgatc	tttacaagc	360
caatgctgca	aangatagtg	aggnacanga	agctgctctn	accgtgaaat	ga	412

```
<210> 648
<211> 413
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 158, 165, 181, 196, 205, 211, 220, 269, 271, 278, 279, 281,
284, 298, 300, 304, 307, 308, 311, 312, 323, 335, 346, 353,
354, 359, 382, 385, 387, 389, 391, 396, 397, 398, 399, 404
<223> n = A,T,C or G
```

<400> 648						
ggtcgcccg	cgccccagcc	cggcgcgcgc	gtccccgc	tccccgctag	cgcagcccg	60
cggtctctgcc	cggtctgccgc	cggcctatgaa	catcatggat	ttcaacgtga	agaaacttgg	120
cgggccgacc	gggcaccttt	tcttaagccg	gcccgtgnaa	tttanaaaaa	aaaaacttgg	180
ncaagcaaaa	aaaaanaaaa	ttggnctta	ncttgaaaan	cttcttaaca	aaacttaatg	240
gtccaaaata	ttgaccgaaa	aaaaaatgna	ncaaaccnna	ntgnttttgc	acccaatncn	300
aatnccnnga	nnaaaaaaat	tgnttattaa	aaacntgaat	aaaaancccc	aannctatna	360
acaacccccg	actttttgga	cnatntntna	ntgatnnnng	aacntaat	ggc	413

```
<210> 649
<211> 409
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 18, 34, 40, 281, 348, 351, 358, 365, 370, 386, 392
<223> n = A,T,C or G
```

```

<400> 649
actagtggat ccaaagantt cggcacgagg gcanggtgtn cgggcgggaa ggggcacggg 60
caccctcgcg gtccctcgga ggctagagat catggaaggg aagtgggtgc tgtgtatgtt 120
actggtgctt ggaactgcta ttgttgaggc tcatgatgga catgatgatg atgtgattga 180
tattgaggat gaccttgacg atgtcattga agaggtagaa gactcaaaac cagataccac 240
tgctcctcct tcatctccca aggttactta caaagctcca nttccaacag gggaagtata 300
ttttgctgat tcttttgaca gaggaactct gtcagggtgg attttatnca nagccaanaa 360
agacnatccn atgatgaaaa ttgccnaata tnatggaaaa gtggggaggt 409

```

```

<210> 650
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 404
<223> n = A,T,C or G

```

```

<400> 650
ggcctgagga ccggcaacat ggtgcggtcg gggaataagg cagctgttgt gctgtgtatg 60
gacgtgggct ttaccatgag taactccatt cctggtatag aatccccatt tgaacaagca 120
aagaagggtga taaccatggt tgtacagcga cagggtgtttg ctgagaacaa ggatgagatt 180
gcttttagtcc tgttttggtac agatggcact gacaatcccc tttctggtgg ggatcagtat 240
cagaacatca cagtgcacag acatctgatg ctaccagatt ttgatttgct ggaggacatt 300
gaaagcaaaa tccaaccagg ttctcaacag gctgacttcc tggatgcact aatcgtgagc 360
atggatgtga ttcacatgaa acaataggaa agaagtttga gaanaagcat att 413

```

```

<210> 651
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17
<223> n = A,T,C or G

```

```

<400> 651
ctagtggatc caaaganttc ggcacgaggc aaccagtgac actgcaggga gaaatgctct 60
tcacctggct gctaagtatg gacatgcatt gtgcctacaa aaacttctac agtacaattg 120
tcccactgag catgcagacc tgcagggaag aactgcactt cacgatgccg caatggcaga 180
ttgtccttct agcatacagc tgctttgtga ccatggggcc tctgtgaatg ccaaagatgt 240
agacggggcg acaccacttg ttctggctac tcagatgagt aggccaacaa tgtgtcaact 300
gctgatagat agaggagcgg atgttaattc cagagacaaa caaaacagaa ctgccctcat 360
gctagggttc gaatatggtt gcagagatgc agtagaagtc ttaattaaaa atgggtgctg 420
atataagctt gctggatgcg c 441

```

```

<210> 652
<211> 412
<212> DNA
<213> Homo sapiens

```

<400> 652
 gcttctctct cctgtgcaaa atggcaactc ttaaggaaaa actcattgca ccagttgcgg 60
 aagaagaggc aacagttcca aacaataaga tcaactgtagt ggggtgttga caagttggta 120
 tggcgtgtgc tatcagcatt ctgggaaagt ctctggctga tgaacttgct cttgtggatg 180
 ttttggaga taagcttaaa ggagaaatga tggatctgca gcatgggagc ttatttcttc 240
 agacaccta aattgtggca gataaagatt attctgtgac cgccaattct aagattgtag 300
 tggtaactgc aggagtcccg tcagcaagaa ggggagagtc ggctcaatct ggtgcagaga 360
 aatggtaatg tcttcaaatt cattattcct cagatccgca agtacagtcc tg 412

<210> 653
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 653
 gccagttcaa gtccaccctg ccggacgcgc atagggagcg cgaggccatc ctggccatcc 60
 acaaggaggc ccagaggatc gctgagagca accacatcaa gctgtcgggc agcaaccctc 120
 acaccaccgt caccocgcaa atcatcaact ccaagtggga gaagggtgcag cagctgggtgc 180
 caaacgaggc ccatgccctc ctggaggagc agagcaagca gcagtccaac gagcacctgc 240
 gccgccagtt cgccagccag gccaatgttg tggggccctg gatccagacc aagatggagg 300
 agatcgggcg catctccatt gagatgaacg ggaccctgga ggaccagctg agccacctga 360
 agcagtatga acgcagcatc gtggactaca aagcccaacc tggaccttgt tgga 414

<210> 654
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 654
 gcatggcgga gctgacgggtg gaggttcgcg gctccaacgg ggctttctac aagggattta 60
 tcaaagatgt ccacgaagac tccctcacag ttgtttttga aaataatttg caaccagaac 120
 gccaggttcc gtttaaatgaa gtgcgattac caccaccacc tgatataaaa aaagaaatta 180
 gtgaaggaga tgaagtagag gtatattcaa gagcaaata ccaagagcca tgtggatggt 240
 ggctggctaa agttcggatg atgaaaggcg agttttatgt cattgaatat gctgcttggt 300
 atgccactta caatgaaata gtcacatttg aacgacttcg gcctgtcaat caaaaataaa 360
 ctgtcaaaaa aaataccttc ttttaagtga cagtggatgt tcct 404

<210> 655
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 655
 gggcaagatc accattagca aatggaaatt acatttgaaa gccattagac ttataggtga 60
 tgcaagcatc taagagagag gttaatcaca ctatagaggc ataagtggta tcagttttca 120
 tttttctaatt tgtttaaact gtgttttata ccagtgtttg caagtaattg ggtgttagct 180
 tgagatgggt aaagggtggt tggggaggga cttcgttgta atggttttgc tgtaaaaaat 240
 gtttccaact ccgctgaaat gttgctgaaa agcatggtgc tggtaacagt tcaacaatcc 300
 gtggctgctc attcttgctt actttactct cccactgaag caggtttagcg tttgaagggt 360
 gtatggaaaa cctgcatgac tgttcaattc ttttgtttct tc 402

<210> 656
 <211> 416
 <212> DNA

<213> Homo sapiens

<400> 656

```
gaatcggcac gaggtcagcc gcgaggtgtc cggcatcaag gccgcctacg aggccgagct 60
cgggggatgcc cgcaagaccc ttgactcagt agccaaggag cgcgcccgcc tgcagctgga 120
gctgagcaaa gtgcgtgagg agtttaagga gctgaaagcg cgcaatacca agaaggaggg 180
tgacctgata gctgctcagg ctccggtgaa ggacctggag gctctgctga actccaagga 240
ggccgcactg agcactgctc tcagtggaga gcgcacgctg gagggcgagc tgcattgatct 300
gcggggccag gtggccaagc ttgaggcagc cctaggtgag gccaagaagc aacttcagga 360
tgagatgctg cggcggggtg atgctggaga caggctgcag accatgaagg aggaac 416
```

<210> 657

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 150, 153, 154

<223> n = A,T,C or G

<400> 657

```
gctccaagca gacacaatgg taagaatggt gcctgtcctg ctgtctctgc tgcgtcttct 60
gggtcctgct gtccccagc agaaccaaga tggtcgttac tctctgacct atatctacac 120
tgggctgtcc aagcatgttg aagacgtccn cgnntttcag gcccttggct cactcaatga 180
cctccagttc tttagatata acagtaaaga caggaagtct cagcccatgg gactctggag 240
acaggtggaa ggaatggagg attggaagca ggacagccaa cttcagaagg ccagggagga 300
catctttatg gagaccctga aagacattgt ggagtattac aacgacagta acgggtctca 360
cgtattgcag ggaaggtttg gtttgtgaga tcgagaataa ca 402
```

<210> 658

<211> 404

<212> DNA

<213> Homo sapiens

<400> 658

```
gcaagacgcc acttccccta tcatagaaga gcttatcacc tttcatgata acgccctcat 60
aatcattttc cttatctgct tcctagtcct gtatgccctt ttcttaacac tcacaacaaa 120
actaactaat actaacatct cagacgtcca ggaaatagaa accgttgaac tatcctgccc 180
gccatcatcc tagtctctat cgcctctcca tccctacgca tcttttacat aacagacgag 240
gtcaacgata cctcccttac catcaaatac attggccacc aatgggtactg aacctacgag 300
tacaccgact acggcgggact aatcttcaac tctacatac ttccccatt attcctagaa 360
ccaaggcgga cctgcgactc cttgacgttg acaatcgagt agta 404
```

<210> 659

<211> 411

<212> DNA

<213> Homo sapiens

<400> 659

```
ggcacgaggg tcgcggttac tccgaggaga taccagtcgg tagaggagaa gtcgaggtta 60
gaggggaactg ggaggcactt tgctgtctgc aatcgaagtt gagggtgcaa aaatgcagag 120
taataaaact tttaacttgg agaagcaaaa ccatctccaa gaaaagcatc atcaacatca 180
ccaccagcag cagcaccacc agcagcaaca gcagcagccg ccaccaccgc caatacctgc 240
```


aaatgggcaa caggccagca gccaaaatga aggcttgact attgacctga agaatttttag 300
 aaaaccagga gagaagacct tcacccaacg aagccgtctt tttgtgggaa atcttcctcc 360
 cgacatcact gaggaagaaa tgaggaaact atttgagaaa tatggaaagg c 411

<210> 660
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 660
 ggcacgaggg ggatttgggt cgcagttctt gtttgtggat cgctgtgatc gtcacttaac 60
 aatgcagatc ttcgtgaaga ctctgactgg taagaccatc accctcgagg ttgagcccag 120
 tgacaccatc gagaatgtca aggcaaagat ccaagataag gaaggcatcc ctccctgacca 180
 gcagaggctg atctttgctg gaaaacagct ggaagatggg cgcaccctgt ctgactacaa 240
 catccagaaa gagtccaccc tgcacctggg gctccgtctc agagggtggga tgcaaattctt 300
 cgtgaagaca ctcaactggca agaccatcac ccttgagggtc gagcccagtg acaccatcga 360
 gaacgtcaaa gcaaagatcc aggacaagga aggcattcct cctgaccagc ag 412

<210> 661
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 661
 ggcacgaggg gagatcgatg atcttgccag taatgtagag acagtgtcta aggccaaggg 60
 aaacctcgag aagatgtgcc gcacctgga ggaccaggtg agtgagctga agtcaaagga 120
 ggaggaacag cagcgactga tcaacgacct gacaacccag agaggacgac tgcagaccga 180
 atccggtgaa ttttccaggc agcttgatga gaaggaagcg ctggtatctc agttatcaag 240
 gggcaaacag gcattcactc aacagattga ggagctaaag aggcaacttg aagagggaagt 300
 aaaggccaag aacgcgctgg ccacgcctt gcagtcctcc cgccatgact gtgacctgct 360
 gcgggaacag tacgaggagg agcaggagtc taaggctgaa ctgcagaggg c 411

<210> 662
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 662
 ggcacgaggg tcacaggacc agccactagc gcagcctcga gcgatggcct atgtccccgc 60
 accgggctac cagcccacct acaacccgac gctgccttac taccagccca tcccgggcgg 120
 gctcaacgtg ggaatgtctg tttacatcca aggagtggcc agcagacaca tgaagcgggtt 180
 ctctgtgaac tttgtggttg ggcaggatcc gggctcagac gtcgccttcc acttcaatcc 240
 gcggtttgac ggctgggaca aggtggtctt caacacgttg cagggcgagg agtggggcag 300
 cgaggagagg aagaggagca tgcccttcaa aaagggtgcc gcctttgagc tgggtcttcat 360
 agtcctggct gagcactaca aggtggtggt aaatggaaat cccttctatg agta 414

<210> 663
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 140, 167, 214, 320, 339, 391, 406

<223> n = A,T,C or G

<400> 663

```
gcggcgctcc ttccctcctcg gctcgcgtct cactcagtgt accttctagt cccgccatgg 60
ccgctctcac ccgggacccc cagttccaga agctgcagca atggtaccgc gagcaccgct 120
ccgagctgaa cctgcgccgn ctcttcgatg ccaacaagga ccgcttnaac cacttcagct 180
tgaccctcaa caccaaccat gggcatatcc tggnggatta ctccaagaac ctggtgacgg 240
aggacgtgat gcggatgctg gtggacttgg ccaagtccag gggcgtggag gccgaccggg 300
agcggatgtt caatggtgan aagatcaact acacccgang gtcgagccgt gctgcacgtg 360
gctctgcgga accggttcaa acacacccat nctgggagac ggcaangatg tgat 414
```

<210> 664

<211> 411

<212> DNA

<213> Homo sapiens

<400> 664

```
ggcacgaggg ttagatgccg tgccatgctc cacaaccatc aacaggaacc gcatgggccc 60
agacaagaag agaaccttcc ccctttgctt tgatgacat gaccagctg tgatccatga 120
gaacgcatct cagcccaggg tgctgggtccc catccgctgg acatggagat cgatgggcag 180
aagctgcgag acgccttcac ctggaacatg aatgagaagt tgatgacgcc tgagatgttt 240
tcagaaatcc tctgtgacga tctggatttg aacccgctga cgtttgtgcc agccatcgcc 300
tctgccatca gacagcagat cgagtcctac cccacggaca gcatcctgga ggaccagtca 360
gaccagcgcg tcatcatcaa gctgaacatc catgtgggaa acatttcctt g 411
```

<210> 665

<211> 409

<212> DNA

<213> Homo sapiens

<400> 665

```
ggcacgaggg cgaatcgcag cttctgagac cagggttgct ccgtccgtgc tccgcctcgc 60
catgacttcc tacagctatc gccagtcgtc ggccacgtcg tccctcggag gcctgggcgg 120
cggctccgtg cgttttgggc cgggggtcgc ttttcgcgcg cccagcattc acgggggctc 180
cggcggccgc ggcgatccg tgtcctcgc cgcctttgtg tccctcgtct cctcgggggg 240
ctacggcgcg ggctacggcg gcgtcctgac ccgtccgac gggctgctgg cgggcaacga 300
gaagctaacc atgcagaacc tcaacgaccg cctggcctcc tacctggaca aggtgcgcgc 360
cctggagggc gccaacggcg agctagaggt gaagatccgc gactggtac 409
```

<210> 666

<211> 411

<212> DNA

<213> Homo sapiens

<400> 666

```
ggcacgaggt gagctgaacc aagaaggagg aggggggtcgg gcctccgagg aaggccttagc 60
tgctgctgct gccaggaatt ccaggttgga ggggaggcaa cctcctgcca gccttcaggc 120
cactctcctg tgccctgccag aagagacaga gcttgaggag agcttgaggga gagcaggaaa 180
gcagcctccc ccgttgcccc tctggatcca ctgcttaaat acggacgagg acagggccct 240
gtctcctcag cttcaggcac caccactgac ctgggacagt gaatcgacaa tgccgtcttc 300
tgtctcgtgg ggcacccctc tgctggcagg cctgtgctgc ctggtccctg tctccctggc 360
tgaggatccc cagggagatg ctgccacaga gacagatata tcccaccatg a 411
```

<210> 667

100525294

<211> 412
 <212> DNA
 <213> Homo sapiens

<400> 667
 ggcacgagga ttatccagaa ccttgagaaa gacagacaaa aattggtcag cagccaggag 60
 caagacagag aacagttaat tcagaagctt aattgtgaaa aagatgaagc tattcagact 120
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<210> 668
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
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 128, 129, 130, 138, 145, 154, 155, 157, 160, 162, 173, 179,
 186, 189, 190, 191, 198, 199, 200, 201, 206, 218, 219, 221,
 223, 230, 244, 252, 258, 259, 275, 282, 289, 298, 300
 <223> n = A,T,C or G

<221> misc_feature
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 349, 350, 353, 355, 359, 363, 364, 368, 373, 381, 382, 383,
 399, 402, 403, 406, 407
 <223> n = A,T,C or G

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<210> 669
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 669
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<223> n = A,T,C or G
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<211> 411
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 160
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<211> 409
<212> DNA
<213> Homo sapiens
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<210> 673

<211> 412
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

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<210> 674
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 391
 <223> n = A,T,C or G

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<210> 675
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 167, 183, 316, 381
 <223> n = A,T,C or G

<400> 675
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<210> 676
<211> 413
<212> DNA
<213> Homo sapiens

<220>
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<222> 56, 143, 173, 210, 267, 270, 350, 378, 389
<223> n = A,T,C or G

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<212> DNA
<213> Homo sapiens

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<210> 678
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<212> DNA
<213> Homo sapiens

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<210> 680
 <211> 410
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<210> 681
 <211> 402
 <212> DNA
 <213> Homo sapiens

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<210> 682
 <211> 401
 <212> DNA
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401

<210> 683

<211> 3255

<212> DNA

<213> Homo sapiens

<400> 683

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<211> 2993

<212> DNA

<213> Mus musculus

<400> 684

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TOPCAT "08052001"

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 Asn Gln Thr Ala Asp Asp Cys Leu Asn Gly Leu Ala Cys Asp Cys Lys
 100 105 110
 Ser Asp Leu Gln Arg Pro Asn Pro Gln Ser Pro Phe Cys Val Ala Ser
 115 120 125
 Ser Leu Lys Cys Pro Asp Ala Cys Asn Ala Gln His Lys Gln Cys Leu
 130 135 140
 Ile Lys Lys Ser Gly Gly Ala Pro Glu Cys Ala Cys Val Pro Gly Tyr
 145 150 155 160
 Gln Glu Asp Ala Asn Gly Asn Cys Gln Lys Cys Ala Phe Gly Tyr Ser
 165 170 175

<220>
 <221> misc_feature
 <222> 174
 <223> n = A,T,C or G

<400> 700
 ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccagaa caaattaagt gttgaccaca gcgacccagt catcctgaat 120
 gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgnccaggg 180
 gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggctg 240
 attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
 aacagcggac tctatacctg ccaggccaat aactcagcca 340

<210> 701
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 29, 109, 117, 182
 <223> n = A,T,C or G

<400> 701
 ccactggctg agntattggc ctggcaggna tagagtcgcg tgttcttctc agtgaatgtt 60
 gagataaaga gctcttgtgt gtgttgctgg atgttcccat caatcagcna agaatanagt 120
 gcagggtggg tagaggctgc atggcaggag aggctgaggt tcacccctgg acggtaatat 180
 gngtatgagg gggaaatggt ggggtcgtct gggccataga ggacattcag gatgactggg 240
 tcgctgtggt caacacttaa tttgttctg attccac 277

<210> 702
 <211> 255
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 27, 42, 86
 <223> n = A,T,C or G

<400> 702
 ctgcgcgtcg ccaaagtgc aggcggngcg gcctccaagc tntctaagat ccgagtcgtc 60
 cggaaatcca ttgccgtgt tctcanagtt attaaccaga ctcagaaaga aaacctcagg 120
 aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa gacacgtgcc 180
 atgcgcgcc ggctcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcggaag 240
 gagcggctgt acccg 255

<210> 703
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>

```
<220>  
<221> misc_feature  
<222> 22, 105  
<223> n = A,T,C or G
```



```
<210> 716
<211> 96
<212> DNA
<213> Homo sapiens
```

Figure 1 consists of 12 bar charts, each representing a different demographic or attitudinal variable. Each chart compares the percentage of respondents who are gay or lesbian (solid bar) with the percentage of respondents who are not gay or lesbian (hatched bar). The y-axis for all charts ranges from 0 to 100 percent. The x-axis for each chart lists the variable being measured.

- Age:** The x-axis categories are 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+. The y-axis ranges from 0 to 100 percent.
- Sex:** The x-axis categories are Male and Female. The y-axis ranges from 0 to 100 percent.
- Education:** The x-axis categories are High school or less, Some college, Bachelor's degree, and Graduate degree. The y-axis ranges from 0 to 100 percent.
- Income:** The x-axis categories are Less than \$10,000, \$10,000-\$19,999, \$20,000-\$29,999, \$30,000-\$39,999, \$40,000-\$49,999, \$50,000-\$59,999, \$60,000-\$69,999, \$70,000-\$79,999, \$80,000-\$89,999, \$90,000-\$99,999, and \$100,000 or more. The y-axis ranges from 0 to 100 percent.
- Employment:** The x-axis categories are Full-time, Part-time, and Unemployed. The y-axis ranges from 0 to 100 percent.
- Home ownership:** The x-axis categories are Own and Rent. The y-axis ranges from 0 to 100 percent.
- Marital status:** The x-axis categories are Single, Married, Divorced, and Widowed. The y-axis ranges from 0 to 100 percent.
- Religion:** The x-axis categories are No religion, Protestant, Catholic, Jewish, Muslim, and Other. The y-axis ranges from 0 to 100 percent.
- Political affiliation:** The x-axis categories are Republican, Democrat, and Independent. The y-axis ranges from 0 to 100 percent.
- Party affiliation:** The x-axis categories are Republican, Democrat, and Independent. The y-axis ranges from 0 to 100 percent.
- Attitude towards gay and lesbian people:** The x-axis categories are Very good, Good, Fair, Poor, and Very poor. The y-axis ranges from 0 to 100 percent.
- Attitude towards gay and lesbian people in the workplace:** The x-axis categories are Very good, Good, Fair, Poor, and Very poor. The y-axis ranges from 0 to 100 percent.

<220>
 <221> misc_feature
 <222> 59, 74, 77
 <223> n = A,T,C or G

<400> 716
 aaacttttta tttgcatatt aaaaaaattg tgcattccaa taattaaaat catttgaana 60
 aaaaaaaaat ggcncntntga ttaaactgca ttacag 96

<210> 717
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 104, 224, 233, 343
 <223> n = A,T,C or G

<400> 717
 gatggaaagg atacagatga catcaagatc cccatgctgt tcttattcag caaagaagga 60
 agtatcatac tggatgccat ccggaatat gaggaggtag aagngctcct ctctgataaa 120
 gcaaaagatc gagatcctga aatggaaaat gaagaacaac catcctctga aaatgattct 180
 cagaatcaga gtggtgaaca gatttcatca agttctcagg aggntgattt ggntgatcaa 240
 gagtcttctg aggaaaattc tctaaattct caccagaat cattatctct agcagatatg 300
 gacaatgctg caagcatttc cccttctgaa cagacttcta atnccacaga aaaccatgag 360
 actaca 366

<210> 718
 <211> 200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 718
 aaacatctca catatanaaa ataggtacaa ttttaattttt ctgcttgccc aagaaacaaa 60
 gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
 tgaagaagat ttgggcaaat aatctgcata cttttaattg ggaataagat ggaaaatatg 180
 aatgctaaat caaatttttt 200

<210> 719
 <211> 336
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 71, 260, 314
 <223> n = A,T,C or G

<400> 719
 ctgtctcaca ctttgcaagc tgtgagagac acatcagagc cctgggcact gtcactgctt 60
 gcagcctgag ngtaactccc tccttttcta tctgagctct tcctcctcca catcacggca 120
 gcgaccacag ctccagtgat cacagctcca aggagaacca ggccagcaat gatgcccacg 180
 atggggatgg tgggctggga agacagctcc catctcaggg tgaggggctt gggcagaccc 240
 tcatgctgca catggcaggn gtatctctgc tcctctccag aaggcaccac cacagccgcc 300
 cacttctgga aggntccatc cccttgacag ccttgg 336

<210> 720
 <211> 167
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 46, 47
 <223> n = A,T,C or G

<400> 720
 ggagagtgt agtgaggcgg ccaagaagta natggaggag aatgannagc tcaagaaggg 60
 agctgtgtgt gacggaggca agttggatgt cgggaatgct gaggtgaagt tggaggaaga 120
 gaacaggagc ctgaaggctg acctgcagaa gctaaaggac gagctgg 167

<210> 721
 <211> 134
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 56, 102
 <223> n = A,T,C or G

<400> 721
 cctagtatga ggagcgttat ggagtgggaag tgaaatcana tggctaggcc ggaggncatt 60
 aggagggctg agagggcccc tgtaggggt catgggctgg gntttacgtg cgtgaggagg 120
 ggcggaactt gcag 134

<210> 722
 <211> 353
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 214, 290, 299
 <223> n = A,T,C or G

<400> 722
 aaaaatatat acaactatga tgttcaaata tgtattctga gccattatgt tcaaacataa 60
 atatctggga aattcaaact gctgcaacaa gttaggaaag gattaaggaa aaatgatgag 120
 ctacaaatta ttagtttggg ggaagaaaaa aatgttactt agcatttatg tctggatagg 180
 tatgtatttt ctaatttaca tacacatatc cagntgagta tagacaacca tcaaatgta 240
 accagttaca cagagactag actaagccaa cactattttc tataacaggn aacagtagng 300

atttcaaaaa ttttaatatc tcaatagttt caccaaaaat tatttatggg aat 353

<210> 723

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67, 124, 156, 208, 241, 261

<223> n = A,T,C or G

<400> 723

ctgagaagag cgccaggaag ccctgggtgc gagagttgat gacgtcgatc tcgtgcaggg 60
acacggngtg caccacctcc ttgcgtttct ggagctcccc atctgggcac tgcacgaact 120
tggngctggga gcccatagcg tcgtagtcgc gggcngtgt gaaggagcgg cccaacttgg 180
agatcttgcc cgtcgccttg tcgatggnga tcacgtcccc ggccctggacc ttgtccttgg 240
ncagggactc aatcatcttg ntgccag 268

<210> 724

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 63, 191, 201

<223> n = A,T,C or G

<400> 724

aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
agncccatga aattaattat tttctctgct cgatcttggt ggacagtttc atgaagctgt 120
cagttagttc attaaagttt tggaaattct cagacagtgc agtggatatca gaaacttgta 180
ttcaagagta naggtcagag ncttcttttc ttttctttt gagatggagt cttgctctgt 240
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
aagcgattct cctgcctcag cctcccgagt aactgggact acag 344

<210> 725

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32, 90, 179, 223, 306, 339, 340

<223> n = A,T,C or G

<400> 725

aaacaagaga aagtagacag atacatgttg gnaaatgcta actgtccata ttcacataga 60
gacacagtgt actctctgag cccaatatan agagaaagga ggaaaaaagc tagaattcta 120
tgcaactact cacaggggcc tagcaccctc cagcttcag cagagcgaag ggagcaggnt 180
tttctttttt cccacagagc tcgggggggtt gattccatac agnttttggt cagacaggaa 240
gggataaaaa tgaacttcga acagaaaggg gtagagactc ttttccatt gtattctgct 300
caaggnattt ccccccaat aaattgagaa ccatggagnn gagaa 345

<210> 726
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 112, 118, 187, 284
 <223> n = A,T,C or G

<400> 726
 ttgcctgatg tcagagcccc tccacacatg agcctgctcc ctactgcca caccgtggcc 60
 cagacagaga cgctttccga ggaagaggtg aagctcctgc agtcgctgaa gnaagganag 120
 cagatcgtga ggaaaaaggg cgccgaggtt gggggcatgt ctctcttctt accaagctag 180
 actgggntgc cttttctaac tattccagcc ctacaggcgc agggggccata atggagtatc 240
 ccgccccctt agaccccagg cgctcaccgg cagggcaaga agngngaaatc cagcagccgc 300
 gccag 305

<210> 727
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 131, 151
 <223> n = A,T,C or G

<400> 727
 ccaacgaggc atcacctctg acggtgtcag tcatcgatga ccggctcaag gagaagatgg 60
 tgggtggagt ccgccacatg aggaaccatg cctatgagcc actcgccagc ttccctagact 120
 tcattactta nagttacatg atcgacaacg ngatcctgct catcacaggc acgctgcacc 180
 agcgtccat cgctgagctc gtgcccagt gccaccact aggcagcttc gagcagatgg 240
 aggccgtgaa cattgtcag acacctgctg agctctacaa tgccattctg gtggacacgc 300
 ctcttgcggc tttttccag gactgcattt cagagcagga ccttaacgag atgaacatcg 360
 agatcatccg caacaccctc tacaagg 387

<210> 728
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 728
 ctgactgaca gccagattgc agatgtggct cgcttttgta accgctaccc taatatcgaa 60
 ctatcttatg aggtggtaga taaggacagc atccgcagtg gcggggccag 109

<210> 729
 <211> 329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 247, 281, 304

<223> n = A,T,C or G

<400> 729

```
aaagcatagg actatagtca gcatgctaga ctgagaggta aacactgatg caattagaac 60
aggtactgat gctgtcagtg ttttaacacta tgtttagctg tgtttatgct ataaaagtgc 120
aatattagac actagctagt actgctgcct catgtaactc caaagaaaac aggatttcat 180
taagtgcatt gaatgtggct atttctctaa gttactcata ttgtcctttg cttgaatgca 240
atgccngca gatttatgtg gctgctattt ttattttctg ngcattactt taacacctta 300
aagngagaag caaacatttc cttcttcag 329
```

<210> 730

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67, 204

<223> n = A,T,C or G

<400> 730

```
aaaaagtggc agagtgactt aactgatcat gcatgatccc tcatccctga aattgagttt 60
atgtagncat ttacttatt ttattcatta gtaactttg tctatgtata tttctagata 120
ttgattagtg taatcgatta taaaggatat ttatcaaacc cagggattgc attttgaaat 180
tataattatt ttctttgctg aagnattcat tgtaaaacat acaaaataaa catatattt 238
```

<210> 731

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 202, 254

<223> n = A,T,C or G

<400> 731

```
aaactgaatt ttttgacctt ggaaaatatt tttcttactt taccaagggtg aagtttcctt 60
aattagacta attatattat ccccatccca gggataaac aggaattgtt ttgatagtgg 120
tggagttatt cactgcaaca aagcaacaat gttgtccatg attcaaaatc taagcagttt 180
cgattttgcc tgtgaatatg gngtctgtca ttcagggcat agctcactgt aggctagcct 240
ctgcttactt aagncctctt tctgacatac tcaatggaag aatattttaga tttattt 297
```

<210> 732

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 88, 104, 131, 184

<223> n = A,T,C or G

<400> 732
 ctgtcagtct tcctgaaatg aagaaactac accagggtctg ctatatcaga gcaaccccaa 60
 ccagcactcc aatcatgatg ccgacagnng cccaattag aagntcaaaa acaaaaatta 120
 agttaggttag ncagacatct ataaatacta gtatccgcat gaatgaaaac accctggctt 180
 tggnatggct acagaaatcc atctggaaat tattcaaaag gacgtgggtc agggaaaagg 240
 gggtaggcag ggcattgggg gaggggaaca caaaaaacc ccaagcagag gtaaaatgaa 300
 tattggaaca caccgcagc aaacactgta catagacttg aggcagatgc ctctaacaca 360
 acacatatat 370

<210> 733
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 129
 <223> n = A,T,C or G

<400> 733
 cctcctatit attctagcca cctctagcct agccgtttac tcaatcctct gatcagggtg 60
 agcatcaaac tcaaaactag ccctgatcgg cgcactgcga gcagtagccc aagcaatctc 120
 atatgaagnc accctagcca tcattctact atcaacatta ctaataagtg gtccttttaa 180
 cctctccacc cttatcacia cacaagaaca cctctgatta ctctgccat catgaccctt 240
 gg 242

<210> 734
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 154, 188, 311
 <223> n = A,T,C or G

<400> 734
 cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt 60
 agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
 gctgagatag gtgcaatgac ctacaagatt ttgngttttc tagctgtcca ggaaaagcca 180
 tcttcagnct tgctgacagt caaagagcaa gtgaaacat ttccagccta aactacataa 240
 aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgcc 300
 aaactcattg ngacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
 ttacatgg 368

<210> 735
 <211> 308
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 92, 101, 120, 216, 279
 <223> n = A,T,C or G

<400> 738

gtgccatggc acacagcctg ggtgcacacc cagcgnccctc tcttgcaggt gcaggtattg 60
 cagtcacact tgatcttggc gccggaagaa tanaggtcgt tgttatggac gcaagggcat 120
 tcctttctcca ccacgcagcc accccggccg tcatccatca gcccgtcggg gcacacacag 180
 ccactgacac actctgtgtg gnaatagccg gcggccagcg nctggcag 228

<210> 739
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 124, 136, 169, 200, 230, 233, 247, 332, 339
 <223> n = A,T,C or G

<400> 739
 aaaaaatata ggagtcgata gcagcagttg gtgacgagat ggcactcaga aacggcgttg 60
 acgtaattta ggacgtggaa tcataagcga aacagcacac tgtttgaata aagagcgagt 120
 cggnatttat atttgnnttt cttttgtcat gattatttga tttttaagnt gctccagcta 180
 aggcattttt ttgtattagn atttctatta gggaaccttt cttattaggn ggnttgtatt 240
 gtctggnntc taacatgcag gtagctgttt ggcaagttaa cacgtttaga gtaatttgag 300
 ttacaacgtg tgaaactgag caaaaaagca gngataagnt tgggttacca taccaaatat 360
 ttgttttccc actggaaa 378

<210> 740
 <211> 200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 95
 <223> n = A,T,C or G

<400> 740
 ccacttgagt ggntcctggc tgcttctgtg attgttaggt cttgagagat tatggacccg 60
 aggcattctg ggtaccccat caattggctg atggnccttct atttgggctg cgcttcttct 120
 aaaaagggga gctcaaaggc ctttttttcc ccactgcag agctaaaaaa gtccctgtac 180
 gccatcttct ccagtttgg 200

<210> 741
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 741
 ctgcttggca tcgtaatggg ccggtggcat catgagcccc agaatcagcc ttgccaggtc 60
 tccagagatc tcagacttca ggtcagtcac taagtcccg ccaaagttag acttgaaggc 120
 ctgccggatc tgctgccgct ggacattgct gcggtgcgtg atgatatcga tgattgtgtc 180
 ttctgcagtc ccgagtcctt tcatggcttt ccgcagcgct ttggcatctg cgtcagggtt 240
 gaagtcattg gctgggcgca caggctccct cag 273

<210> 742
 <211> 297

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 89, 188, 264, 266
<223> n = A,T,C or G

<400> 742
ctgcagttgc tcccttttagg gttataaaat aatgacccaa atgttacatg tgttgatatt 60
ataacttgtc agttactgat gtctgtgna tcctaccctc atctctgaaa gggataatac 120
tgaataatta ttagaaaact ataaaacttc acactttgta ccattaaaac ctaaaatttt 180
aatcttgnc ttttttacta tggatcagtc ggcactcggg aacagcagca aggaaaagag 240
gcaaatttca ttcacatggt ctgngntcat acctcttctc tacctaattg ttcattt 297

<210> 743
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 240, 243, 252, 291, 305, 321, 324, 327, 342
<223> n = A,T,C or G

<400> 743
ctgcacctcc acctccttga agttgaagat actattgcca tcaaagccag cagccagctc 60
tggacagtat gcctgcaggg aacctccatg cgggctcagt gacacactct ctgcagccag 120
ggtaatgaac ttgtcctcag ctacaaaagc tgtgagcttg gctgtgctca cctccagggt 180
taggttttagc agccgctttg ggggtaattg ctcaggggca cggccttcta gctcagaagn 240
agntcctgaa gntcttagtg caagggatgg tacagtctca ggaaacacag nggctcttag 300
taggnctcgg cactgtagag nggngnatc cccagagctg gngatgatt ggttgatc 360
caggaagcgg caacacgaca g 381

<210> 744
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6, 78
<223> n = A,T,C or G

<400> 744
cagcgnngggg ctcggagagg tgctcggatt ctgtagctg tgccgggact taaccaccac 60
catgtcgagc aaaagaanaa agaccaagac caagaagcgc cctcagcgtg caacatccaa 120
tgtgtttgct atgtttgacc agtcacagat tcaggagttc aaagagg 167

<210> 745
<211> 96
<212> DNA
<213> Homo sapiens

1005380-1901

<400> 745
 ccacaaactc ctctggctgt actccctcct gcaggagacc ggccctcactg cactcagcag 60
 gctctttctcc ctgcgattca cttctggggac agtcac 96

<210> 746
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 257
 <223> n = A,T,C or G

<400> 746
 ccattacgca gccgcttcag caaacagggc tcctcccggc ccgagggcgg gaccacagtg 60
 gccgtcagca ggctgagatc cgtctctgag atgttgatgg ggatgtcggc agcagagccg 120
 acctttaggt gggacatacg catggagtcg tcacctgtga cccgggcagt gaaggggctg 180
 cctgggacgt gctgttcatt gtacttgact agaatgctgt agtcccccg cagcacaggc 240
 aagtaggaca cgctgcnatg tcccatcctg gttgtcagt cagtgttgct tgttcagtat 300
 ctcaagccca gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt 360
 cagcggcttt gattcagcaa gccacaacag t 391

<210> 747
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 71, 233, 367
 <223> n = A,T,C or G

<400> 747
 aaagtgtgtt gtgccttttt atttttgttt ttaatgcttt gatatttcaa tgttagcctc 60
 aatttctgaa naccataggt agaatgtaaa gcttgtctga tcgttcaaag catgaaatgg 120
 atacttatat ggaaattctg ctcagataga atgacagtcc gtcaaaacag attgcttgca 180
 aaggggaggg atcagtgtcc ttggcaggct gatttctagg taggaaatgt ggnagcctca 240
 cttttaatga acaaattggc tttattaaaa actgagtgac tctatatagc tgatcagttt 300
 tttcacctgg aagcatttgt ttctactttg atatgactgt ttttcggaca gtttatttgt 360
 tgagagngtg accaaaagtt acatgtttgc acctttctag gtgaaaat 408

<210> 748
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 63, 224, 302
 <223> n = A,T,C or G

<400> 748
 ggcgagagaga ggcgagcacc gggaagggga gcgnggggcc gctggaatgg gtgaatttaa 60

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 54, 111, 149, 220, 226, 273

<223> n = A,T,C or G

<400> 758

```
cgctcggcaa gntctcccag gagaaagcca tgttcagttc gagcgccaag atcntgaagc 60
ccaatggcga gaagccggac gagttcgagt ccggcatctc ccaggctctt ntggagctgg 120
agatgaactc ggacctcaag gctcagctna gggagctgaa tattacggca gctaaggaaa 180
ttgaagttgg tggtagctgg aaagctatca taatctttgn tcccgnctct caaacctgcc 240
cgggcggccg cttcgagccc tatagtggag cgnattag 278
```

<210> 759

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 268, 301, 318, 321, 333, 367

<223> n = A,T,C or G

<400> 759

```
gcaaactgca aaccatggtg agaaattgac gacttcacac tatggacagc ttttcccaag 60
atgtcaaaac aagactcctc atcatgataa ggctcttacc cccttttaat ttgtccttgc 120
ttatgcctgc ctctttcgct tggcaggatg atgctgtcat tagtatttca caagaagtag 180
cttcagaggg taacttaaca gagtatcaga tctatcttgc caatcccaac gttttacata 240
aaataagaga tccttttagtg caccagnga ctgacattag cagcatcttt aacacagccg 300
ngtgttcaaa tgtacagngg nccttttcag agntggactt ctgactcac ctgtttctac 360
tcctgnttt aattcaacc agccatgcaa tgccaaataa t 401
```

<210> 760

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 278, 335

<223> n = A,T,C or G

<400> 760

```
ccgaggtttg gatcatggga gaacagcaga aaggggttat tgagggaacc tacactgttc 60
tagctgcacc ccatgccctt ctgagaggaa agcctggcat tgattagata ctggggccaga 120
ctaatactgg cagcagagcc agtgatagta acctgcctac cagaggagcc ttccactggg 180
ttggcaattt tgatctgggc cccggacatc tggcggatct cattaatgtt ggcgcccttg 240
cgcccgatta tgcagccaat taagttatct ggaatggnga gttcatgggt ggtttgagta 300
gatgcattca aacttgccca atagcctttc acctntggag agacct 346
```

<210> 761

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 159, 185, 196

<223> n = A,T,C or G

<400> 761

```
gagacagact gggatgatgac gctgaatctg cagaggtgct ggtgaccaat tcccctaaag 60
catctacttg tctcctcaaa ctgtgtaaag tgccctctgt ctgccgcttt cctttaatta 120
atacttctgc ttgcttggac atacagtgtc ggagttggnc ctgaaaagtg tgataagact 180
taggnnttta cacagnaaga aatgtaccag aactgctgct cagcttcctc acatacattt 240
gataggcaaa tctagc 256
```

<210> 762

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 39, 162

<223> n = A,T,C or G

<400> 762

```
tggactctgg antgatgctg gaagtagata cgaaaatgng aagaacaatg gaacagcaca 60
ctttctggag catatggctt tcaagggcac caagaagaga tcccagttag atctggaact 120
tgagattgaa aatatgggtg ctcatctcaa tgcctatacc tncagagagc agactgtata 180
ctatgccaaa gcattctcta aagacttgcc aagagctgta gaaattcttg ctgatataat 240
acaaaacagc acattgggag aagcagagat tgaacgtgag cgtggagtaa tccttagaga 300
gatgcaggaa gttgaaacca a 321
```

<210> 763

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 52, 66, 114, 127, 144, 152, 177, 200, 214, 261, 331

<223> n = A,T,C or G

<400> 763

```
tgagaaaaca taaagtaacc agcagatttc aatattaaaa agaagtgggt cntcctaaaa 60
aaggtnntag atcatagagt tgggattagg gtaggggata cctattaatc tggnctggaa 120
aaaaagngtg tggagaaggg gagntgtatt gntttctcac aagaggcaaa cttcagncaa 180
acaatgaaga gatagtaggn agggagatgt gtgntagacc aaagactttc tgattgctga 240
taataacaaa tttagcagct ntctacaagt caattaaaaat accattctct gagacatttt 300
cagagaggag ctaactaaca cccaccagc nggaaaaatc attctaca 348
```

<210> 764

<211> 374

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 59, 111, 129, 132, 198, 204, 242, 288, 327
 <223> n = A,T,C or G

<400> 764
 agcnaagaag gaagctcctg cccctcctaa agctgaagcc aaagcgaagg ctttaaagnc 60
 caagaaggca gcgttgaaag gtgtccacag ccacaaaaag aagaagatcc ncacgtcacc 120
 caccttceng cngccgaaga cactgcgact ccggagacag cccaaatata ctcggaagag 180
 cgctcccagg agaaacangc ttgnccacta tgctatcatc aagtttccgc tgaccactga 240
 gnctgccatg aagaagatag aagacaacaa cacacttggtg ttcatgtgngg atgttaaagc 300
 caacaagcac cagattaaac aggtctgngaa gaagctgtat gacattgatg tggccaaggt 360
 caacaccctg attc 374

<210> 765
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 181
 <223> n = A,T,C or G

<400> 765
 aaatacaata attctgttat tgataaaatt taaggcattt tcattgcctt ttgcagattt 60
 actcataact acctaacaag gaaagaaggt ataattattt cagattggat tattttattct 120
 aaaattaaat tcttactaa tttattctaa gatgaattta atagtccatc aggaaattgg 180
 nttttataaa gcttatttta tgggcataaa atacaggaaa aggtaataat aaatgccaaa 240
 ccgtctcttt actttatgaa gccaaatatt tcctcagact tgggtttt 288

<210> 766
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 337
 <223> n = A,T,C or G

<400> 766
 ttgtggttgt gcctgagggc tctgcttccg aactcatga acaggctatc ttgcggttgc 60
 aagtcaccaa tgttctgtct cagcctctga ctacaggccac tgttaaacta gaacatgcta 120
 aatctgttgc ttccagagcc actgtcctcc agaagacatc cttcaccctt gtaggggatg 180
 tttttgaact aaatttcatg aacgtcaaat tttccagtgg ttattatgac ttcttctgtc 240
 aagttgaagg tgacaaccgg tatattgcaa ataccgtaga gctcagagtc aagatctcca 300
 ctgaagttgg catcacaat gttgatcttt ccaccgngga taaggatcag agcattgcac 360
 ccaaaactac ccgggtgaca tacgcagcca aagccaaggg cacattcatc gcagacagcc 420
 acca 424

<210> 767
 <211> 302

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 203
<223> n = A,T,C or G

<400> 767
ggcttttctca ataagcctca gcttttctaag atctaacaag atagccaccg agatccttat 60
cgaaactcat tttaggcaaa tatgagtttt attgtccggt tacttggttc agagtttgta 120
ttgtgattat caattaccac accatctccc atgaagaaa ggaacgggtga agtactaagc 180
gctagaggaa gcagccaagt cgnttagtggt aagcatgatt ggtgcccagt tagcctctgc 240
aggatgtgga aacctccttc caggggaggt tcagtgaatt gtgtaggaga ggttgtctgt 300
gg 302

<210> 768
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 62, 63, 73, 86
<223> n = A,T,C or G

<400> 768
ctgatctaaa agaagttact gaggaagatt tgaataatca ctttaagtct ttgggaagca 60
ggnatttgaa atnttgaggt gacagncttt taag 94

<210> 769
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36, 40, 53
<223> n = A,T,C or G

<400> 769
ctgcaagacg actccaaccc aacaacaacc agatgngctn cagcccagcc ggncttcagt 60
tccatattt 69

<210> 770
<211> 222
<212> DNA
<213> Homo sapiens

<400> 770
ctgaacgcaa accagccact ttaattaagc taagccctta ctagaccaat gggacttaaa 60
cccacaaaca cttagttaac agctaagcac cctaataaac tggcttcaat ctacttctcc 120
cgccgcgggg aaaaaaggcg ggagaagccc cggcagggtt gaagctgctt cttcgaattt 180
gcaattcaat atgaaaatca cctcggagct ggtaaaaaga gg 222

<210> 771
 <211> 332
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 262
 <223> n = A,T,C or G

<400> 771
 ctgctttccc tcctatggct cccctggaac aggagggaga gccaaagggg cggccccagcc 60
 tggacagcgc ccgctcctgc ctgggtgcac acacggcggg cctgagctcc agcatctgag 120
 tttgggggta tgagaaacag gggagcagaa ggagaagaaa actgcctgtg ctgcaacacg 180
 tttcctcatt tattttttct ttctttttct ttttttcttt ttttggaggg agaggtccct 240
 gcaaggtccc ttcccgggca gnggagggat ggaaatgccg tcacagtagt agggactgga 300
 gcgtctacaa ggatggaggg gagctactca gg 332

<210> 772
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 772
 aaaagaaaga tcaattatat ccatgcttaa caggatcagc aggagcttta taaatgactt 60
 tacagagact aataagggat ttgatctttc tttttttgtt atcgaggctt ttgaaatgtg 120
 gaacttgtgt gttctgcttt atatgttata ttcaatatct tttcagatgc agtctatatt 180
 ttatgctgag tttt 194

<210> 773
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 773
 ccaattgatt tgatggtaag ggagggatcg ttgacctgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagtica gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tc 272

<210> 774
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 42, 45, 94, 95, 114, 117, 125, 143, 154, 198, 207, 222,
 245, 258, 287
 <223> n = A,T,C or G

<400> 774

```

gtgtcttgta cagttagnta tattagcagc cctctgagat gncgnatcta tcggaaggat 60
ttcaaacacc aattgcttta cctgaacaaa tggnncttac cctttgaaca gcanagnagac 120
cacgnagaag gaaggaaaag ggnaaaatcg cttnagttaa actgaaatta aatgaacaat 180
aaggcaacta tataagtnac ttctagnagc attgcctgag anacaaatta ttgtttgata 240
attnncattg tgaatagnaa tccaatagat catattgctt actttgntct ttttatacta 300
tagaataata tttt                                     314

```

```

<210> 775
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 775
cctgacagag ctacagctcac actgggaagt gtggatgcag ggtgcccttc cctaccccag 60
tgagaaggaa gattccttac ccattcttgc tccccccag ggaagatcat catgcacgac 120
ccatttgcca tgcggccctt ttttggttac aacttcgggc actacctgga acactggctg 180
agcatggaag ggcgcaaggg ggcccag                                     207

```

```

<210> 776
<211> 196
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37, 65, 100, 128, 139, 140
<223> n = A,T,C or G

```

```

<400> 776
gtgaacggag gcactgtggc cgagaagctg gactggncgc gcgagaggct tgagcagcag 60
gtacntgtga accaagtgtt tgggcaggat gagatgatcn acgtcatcgg ggtgaccaag 120
ggcaaagnct acaaagggnn caccagtcgt tggcacacca agaagctgcc ccgcaagacc 180
caccgaggac ctcggc                                     196

```

```

<210> 777
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 55, 218, 239
<223> n = A,T,C or G

```

```

<400> 777
aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg taggnntgtc 60
gcctctacct ataaatcttc ccactatitt gctacataga cgggtgtgct cttttagctg 120
ttcttaggta gctcgtctgg ttctgggggt cttagctttg gctctccttg caaagttatt 180
tctagttaat tcattatgca gaaggtatag gggttagncc ttgctatatt atgcttgnt 240
ataatttttc atctttccct tgcggtacta tatctattgc gccaggtttc aatttctatc 300
gcctatactt tatttgggta aatgg                                     325

```

```

<210> 778
<211> 421

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 147, 191, 228, 231, 233, 280, 366, 384
<223> n = A,T,C or G

<400> 778
ccaaaagaag taagacagct tgctgaagat ttcctgaaag actatattca tataaacatt 60
ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt gtgtcatgac 120
gtagaaaagg atgaaaaact tattcgncta atggaagaga tcatgagtga gaaggagaat 180
aaaaccattg nttttgtgga aaccaaaga agatgtgatg agcttacnca nanaaatgag 240
gagagatggg tggcctgccca tgggtatcca tgggtgacaan agtcaacaag agcgtgactg 300
ggttctaaat gaattcaaac atggaaaagc tcctattctg attgctacag atgtggcctc 360
cagagngcta gatgtggaag atgngaaatt tgtcatcaat tatgactacc ctaactcctc 420
a 421

<210> 779
<211> 330
<212> DNA
<213> Homo sapiens

<400> 779
ctgaactttc cgcttacgct gcccagagct gccaggtgta gactgagaat tcgagttttg 60
tttcttcctt ggggttgtat ctgcagcctt ttctccctgg gactccctgt ctgctgccaa 120
tggagttgaa gaactggaat gatgacacag ctctctcttct cttattttct ttgctggcct 180
ctccggtgtc tgggagcggg aggaggcttg ggctagagaa ggggtgatgaa ctggggccat 240
ttctcttcca gagctgtgag atgcctcgag tggagctgta ggaactggta atggcattgc 300
ggctggagct agggatgccca cttgcgtaag 330

<210> 780
<211> 279
<212> DNA
<213> Homo sapiens

<400> 780
gagaggtaga gtttttttctg tgatagtggg tcaactggata agtggcggtt gcttgccatg 60
attgtgaggg gtaggagtca ggtagttagt attaggaggg ggggttgttag ggggtcggag 120
gaaaagggtt ggggaacagct aaataggttg ttgttgattt gggttaaaaaa tagtagaggg 180
atgatgctaa taattaggct gtgggtgggt gtgttgattc aaattatgtg ttttttggaa 240
agtcatgtca gtggtagtaa tataattgtt gggacgatt 279

<210> 781
<211> 323
<212> DNA
<213> Homo sapiens

<400> 781
ttgatcttct gcaggaaggt gcagcttttc catatcagct caaccacgcc gccagtccat 60
tcttaaggaa ctgccgacta ggactgatga tgcatttttag ctttgagctt ttgggggtta 120
ttctaaccac aaacagtcca ttggaaagaa aacagtccct ggaattaaca gattagaatg 180
ttcacactgg ttaatctttt tttacaatg agcatgaagg tagcagaagc tgggtgtgtt 240
ccagatgggt cttctaacca aactaatatt tcaactgttg caagcgaggc aagggttgca 300

ctggaccaaa ggctgaggct tgg

323

<210> 782

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 47, 69, 195, 262

<223> n = A,T,C or G

<400> 782

```
ttctagcttt gccctcactc cccggaaaaa ctgacactga cacagngct ctttccttgc 60
ccctttagnt ggtacctcag tggggaggct tccttaccaa gaatgagttc ctgaaaccca 120
gggccagaga caaggacaac ttaggggaag acgggggttt cggtggagcc aggggcaa 180
cttaatggga ccagnggggg ataccccaga gcccatggcc tgactgcaca gcctgcctgg 240
aggatgggtg cgcagttctg cnct 264
```

<210> 783

<211> 159

<212> DNA

<213> Homo sapiens

<400> 783

```
ctgtgtgaag ggcacagtgg tgcaggtctt cctgtggact agacgtccca gtcttgcctt 60
tcctttgata atgcagtaag ggacccccat ttacgacac agggcaggca agaagacaac 120
cagctcgatg ggatccacgt cgtgtgcaat caccaccag 159
```

<210> 784

<211> 128

<212> DNA

<213> Homo sapiens

<400> 784

```
ctcgccctc ttacaccatt ttgtttgatt gtctagtccc tgtttctttt tctttcta 60
ccttattcat ttaagcaaaa ccatacatta tcttttccag tcctttcttg tattcttact 120
gttttttt 128
```

<210> 785

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 142, 323, 325, 330

<223> n = A,T,C or G

<400> 785

```
ctgggctgat gctggaactc gtagaagtac acaggggccc gggaacactg aaaatgtgct 60
acttgagtg cagggatcac aaacatggag tccgcatca tctctggaa ctgcgcttgg 120
agggtctggg gatccccatt gncocaaatg tactcctccc tcagcaggtc accaaatgta 180
ggaggcaaca tcagcagcgt taacattttc tgcagagcag cctgggaggc ctctctgtcc 240
```


ggtgaaattg gttacaatta tgacaaaatg tggaggcatc ttgggttttta tcagaccttt 300
 tcctaaagtt gcaataatca ggactgtact gtactgtac aagattagac aaattgatgt 360
 cagtcagaat agaaatcatc aa 382

<210> 790
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 61, 96, 108, 129, 130, 184, 216
 <223> n = A,T,C or G

<400> 790
 ggatccgcta cacagtttct gccagtcctt gagttgatgc cttttcggct aactcgccag 60
 nttatcaatc tgatgttacc aatgaaagaa acggttctta tgtacagnat catggtacac 120
 gcactccggn ccttccgctc agaccctggc ctgctcacca acaccatgga tgtgtttgtc 180
 aagnagcctt ccttttgattt gaaaaatttt gaacanaaaa tgctgaaaaa aggaggggtca 240
 tggattcaag aaataaatgt tgctgaaaaa aat 273

<210> 791
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 100
 <223> n = A,T,C or G

<400> 791
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagttc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta 180
 ttcaagagta caggtcagag ccttcttttt ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcccaggt aactgggact acag 344

<210> 792
 <211> 227
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 97, 215
 <223> n = A,T,C or G

<400> 792
 gacaaacctg aaattgaaga tgttggttct gatgaggaag aagaaaagaa ggatggtgac 60
 aagaagaaga agaagattaa ggaaaagtac atcgatnaag aagagctcaa caaaacaaag 120
 cccatctgga ccagaaatcc cgacgatatt actaatgagg agtacggaga attctataag 180
 agcttgacca atgactggga agatcacttg gcagngaagc atttttc 227

TCGTCAT "03E5200T"

<210> 793
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 793
 aaacaagtca tttttcttga tcgttgtgga aggtttggag ccttagaggt atgtcagaaa 60
 aaatatgttg gtattctccc ttgggtaggg ggaaatgacc tttttacaag agagtgaat 120
 ttaggtcagg gaaaagacca agggccagca ttgctacttt tgtgtgtgtg tgtgggtttt 180
 gttttgtttt tttgggttggc cgggttgtttt cgttgttgtt aacaaaggaa tgagaatatg 240
 taatacttaa ataaacatga ccacgaagaa tgctgttctg atttactaga gaatgttccc 300
 aatttgaatt tagggtgatt ttacctgc 328

<210> 794
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 794
 ccagcgagca catgaagcgg ttcttcatga actttgtggt tgggcaggat ccgggctcag 60
 acgcgcctt ccaattcaat ccgcggtttg acggctggga caaggtggtc ttcaacacgt 120
 tgcaggcggg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
 ccgcctttga gctgggtcttc atagtcctgg ctgagcacta caaggtgggtg gtaaatggaa 240
 atcccttcta tgagtacggg caccggcttc ccctacagat ggtcacccac 290

<210> 795
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 795
 aaaatcaaag aaatccttgt tttgaaaatt ggatcttaat ctcaaaattg tagaacttgg 60
 ctgagaccat tgctttcatt ttgaaaatga acttcaactc cagaaagacc agtgtgtgct 120
 ctgccaata aatttctgag tcacagtctc actaggaatg tgcaaatcaa agcatatgtt 180
 ggtgtaaaatt cttttgaagt ctttgccaag ataataatg gcatttacat ttgctttttt 240
 ctttaataaaa aattccacca ttttcacttt tcttcgactc acagcaagta acagtggctg 300
 atattcattc ttgctgcatt cttcaatatt tgtacatgt gaa 343

<210> 796
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 796
 tggcggggccg ctgaataagc ttccaaaatg atgccacac cagttattct attgaaagag 60
 gggactgata gctcccaagg catccccag cttgtgagta acatcagtgct ctgccagggtg 120
 attgctgagg ctgtaagaac taccttgggt ccccgtagga tggacaagct tattgtagat 180
 ggcagaggca aagcaacaat ttctaattgat ggggccacaa ttctgaaact tcttgatgtt 240
 gtccatcctg cagcaaagac tttggtagac attgccaaat cccaagatgc tgagggtgggt 300
 gatggcacca cctcagtgac cttgctgggt gcagagtttc tgaagcagac ctgc 354

<210> 797
 <211> 309

<212> DNA

<213> Homo sapiens

<400> 797

```
ctgtgccgtc tgcttgagcc catggatgct ttctcaatcc taggctggtt actgtgtaag 60
cgttttggag tacggggcct tgagcgggtg ggagctgtgt gttgaagtac agagggaggt 120
tggggtgggt cagagccgag ttaagagatt ttctttgttg ctggaccctt tcttgaaggt 180
agacgtcccc caccgggaga gacgtcgcgc tgtggcctga agtggcgcaa gcttgctttg 240
taaatatctg tgggtccgat gtagtgccca gaacgtttgt gcgaggcagc tctgcgcccg 300
ggttccagc                                     309
```

<210> 798

<211> 315

<212> DNA

<213> Homo sapiens

<400> 798

```
ccaccagcat tgacgttctt gccatccaga agagctgaca gtgtcagttt aatacctggc 60
tttagagtct gagtgtatcc taaacctatc aggctggagt tgttcacttt agccgagaag 120
caggcgtcag ggtcaatctg atacttggct gctattccga agcgcgtgtt actgtttcct 180
gctgtccagg caagattgac agcgggtctcc aacttcttgt tcactttctg gtaaatggag 240
ccgccaaact ctgtcccgtc attcacatta gtgtgaagct ggaattcatc agtctttag 300
ccaactgcaa agttg                                     315
```

<210> 799

<211> 157

<212> DNA

<213> Homo sapiens

<400> 799

```
ctgtgatttc ctccatagtt ggcttctggg tcaggccata ggcaatattt tcttgaagac 60
ttcttccaaa tacctgtggc tcttgtccca ctgcagccac ctgcctgtgc aggtagcggg 120
gctcatattg ggggaagggg ttcccatcca acacgag                                     157
```

<210> 800

<211> 357

<212> DNA

<213> Homo sapiens

<400> 800

```
aaactcagtg aacccaaacc tatttttttc aatctgaata ttgctgcagc aaaaccaact 60
ccacaaaaaa gccgggtaac attaacaaaa gaattccctg tatcatctgg atctcaacat 120
cggaaaaaag aagcggatag tgtttatgga gaatgggttc ctgtcgagaa aaatggtgaa 180
gaaaacaaag atgatgataa tgttttcagc agcaatttgc cctcagagcc tgtggacatc 240
tctacagcaa tgagtgaacg ggcacttgct cagaaaagac tcagtgagaa tgcatttgat 300
cttgaagcca tgagcatggt aaatagagct caggaaagga ttgatgcctg ggctcag 357
```

<210> 801

<211> 359

<212> DNA

<213> Homo sapiens

<400> 801

```
cctagggggc atatcaaggg tttaatagac tgggggaatg ggcaacagaa ctggctacct 60
```

tagaggctct ggaatgcccc ccacccatcc acccaccaat ggaaggaaag tcaggcatcg 120
 cctaaaagga gtggtcccta tctagcccca agtctggagc agaaagggca ggtccattct 180
 ggcccaagtg acattgttag atcctgtccc ctcccccaat cactgctgct tgccagggtg 240
 cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag 300
 attgcagtac agatacatgg acacaatcat ggcagccagc tcgaggcccc caattccag 359

<210> 802
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 802
 ccaggctcgg gcaccacctc aatcacatcc atgatcaaga tccgccctcg gcacgtgacc 60
 tcctccccct gcatgaggca ggtcccggcg gccacgtagc ctttgaggcc cgacacggtc 120
 tcctcactgc gcagagacac tgtcttcatg caggtcacat gctcccactc ctgcagctcg 180
 atcctggcat tgggaatagc ctcccag 207

<210> 803
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88, 94, 188, 219, 274
 <223> n = A,T,C or G

<400> 803
 cctatttcac tgctgtgtag cctcagtgcc taacatgggt gccaaataaa tattcgtaga 60
 attacactga attgtaaaaa ccattcgntt ttgnttaca ttgccaaaaa tctcaaaagg 120
 ccctgtattt atgtaattct ttgaaattat tattttattt tgattttctca gttattgact 180
 ggctggngt gacttagtac ataagtactc aatattatna aaacctcaaa taattgactt 240
 gattttacac aacatccttc ccttttctac aagntaattt ttttacaat catttggggt 300
 atctcctaaa t 311

<210> 804
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 804
 ctgttcggat ttaacttcat cttctggctt gccgggattg ctgtccttgc cattggacta 60
 tggctccgat tcgactctca gaccaagagc atcttcgagc aagaaactaa taataataat 120
 tccagcttct acacaggagt ctatatcttg atcggagccg gcgcocctcat gatgctgggtg 180
 ggcttcctgg gctgctgcgg gg 202

<210> 805
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 805
 ccaaccagtc tggctggagt gatgcattcc tggcccagca cacgatgctt accctggatc 60
 ccaacgtcac cgggtgtcttc ctgggaccct acccctttgg catcgatcct atttgagacc 120

tggtcgccaa ccacttgagc ttccctcaact ccttcaagat gaagatgtcc gtcacccctgg 180
ggtcggtgca catggccttt ggggtgggtcc tcggaggtctt caaccacgtg cacttttg 238

<210> 806

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 129, 141, 291

<223> n = A,T,C or G

<400> 806

cctgaggtct gcggaagggtg ggaggaggca gacgccctgc gtggcccatg gtcggggcgt 60
ccacgccgag gccggcaaca aacgacagta tctcggattc cttttttttt taatttttta 120
tactttggng tttcacttcg ngctctgaat actgaataac catgaatgac tgaatagttt 180
agtccagatt tttacagagg atacatctat ttttatcatt atttgggggtt tgaaaaattt 240
ttttttacac cttctaattt ctttatttct caaagcagat aattcttctg ngtgaaaatg 300
ttttcttttt ttaatttaag gttta 325

<210> 807

<211> 289

<212> DNA

<213> Homo sapiens

<400> 807

cctaaaggga actgtcttct gtcgagaagt aaaggaaact tcatgaagga tgtagaagct 60
tagctgcctc agagaagaga gaacctgaag atctgaggca agctggacag gagaggtaga 120
tatttggtga tggaagaatt caagtttata atcaattccc acttagcacc tactgtgtgc 180
taggaacttg aatgtgtatg tttgacaagt cctgcttggc ctgatgggtg ggagaaggaa 240
cctgagcctg gctgagatgg ctaggcggag ggctttgaag tccaagcag 289

<210> 808

<211> 376

<212> DNA

<213> Homo sapiens

<400> 808

aaacttaatt aaagagcttg acaagctctg catattcatg tgtcataagc agtatgtgac 60
aaaaaaaact gtgcagtatg taccacctca cgaaatttag tttggcaggg aaaacaagat 120
gcacatgtta ttataaatta gaaaatggaa gagaagtaga aataaatcca tgagtattat 180
atataagtaa cagaacaaaa acaacaggat aatgtatccc ccccaaaggc ccagtagaga 240
ccatcaaagc tcattctggg ggtagtcaag gagggagtgg agggagaaaa agaacgcaga 300
ccttcaacca ctaatgaaag aactgaaaca tctgtatgta gaaaaaagggt aaatcaact 360
cactatcatc ttcagc 376

<210> 809

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 19, 162, 174, 175, 182, 193, 198

<223> n = A,T,C or G

<400> 809

```
ccatctcatt ttcaaagtnc agagctacat aacacagttt ctccttgatg tcccggacaa 60
tctcacgctc agcagtagta acgaaggaat agccacgctc agtcaggatc ttcatgaggt 120
agtcagttag atctcggcca gccagatcca gacgcatgat gncatggggc aagnnatagc 180
cntcatagat ggngacantg tgggtgacac catctccaga gtccagcacg atgccagttg 240
tgc 243
```

<210> 810

<211> 274

<212> DNA

<213> Homo sapiens

<400> 810

```
aaaaaacacg tttgttatta ccaaaaagag acgtcttttag gtaaaaataa taaaaacccc 60
atgctgcatt gataatgcag atagtctctat ttatctgggc aacgggcaaa aagcaagcac 120
tttaggtctt cagctccaat cttttgttca tttcttattg ctggaatttc atatttcttc 180
ttgttgtagt actaaaccgg atgatggtag agatggtaag ccggcattta ctcagccccg 240
ccctgctcag cctcgggagc ggacgaattc tcag 274
```

<210> 811

<211> 205

<212> DNA

<213> Homo sapiens

<400> 811

```
ctggtggaga tcatcaaggt gctgggaaca ccaacccggg aacaaatccg agagatgaac 60
cccaactaca cggagttcaa gtccctcag attaaagctc acccctggac aaaggtgttc 120
aaatctcgaa cgccgccaga ggccatcgcg ctctgctcta gcctgctgga gtacacccca 180
tcctcaaggc tctccccact agagg 205
```

<210> 812

<211> 199

<212> DNA

<213> Homo sapiens

<400> 812

```
aaatattgct gctgctttgt agatgatgag aagaaatggt aaagtgcttt ctaaaaggaa 60
atTTTTTcac ctttgaggga gaatatatta gagttgtggg taatTTTTca cagccaccta 120
tgtacatact aattacccat tggatactta tatctaaaag tctcatgctg aagtatagtt 180
tttgggaaag aatgatttt 199
```

<210> 813

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 40

<223> n = A,T,C or G

<210> 818
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 818
 aaataaaagt attacgtaac tttgaaattt gtataaaatt aaaagatagt aaaaacaact 60
 attctaacag aattcaaaac ctgttatgct tcagtggaga gattattcaa gataagtccg 120
 tgggaaattg ggagtacatt tctactggca aagttagtga taactatgca cttctgacaa 180
 aatgtgaaat ggggggtatg ggcgtgtcat atcatcatgg tgcagatacg tggatgtgtg 240
 cttccaaaca atggcaacct aactgactgc tggaaaccata caaaatacct gaaactactc 300
 agaaagaagg tgaaaattgc atgcaaaaat tatttgaaaa atattgagct aacacaacat 360
 gaatttggaa ttataagtga g 381

<210> 819
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 819
 ccatggccgc ttccagacca tggaggagaa gaaagcattc atgggaccac tgaagaaaga 60
 ccgaattgca aaggaagaag gagcttaatg ccaggaacag attttgcag 109

<210> 820
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 110, 134, 164, 185, 235, 291, 304
 <223> n = A,T,C or G

<400> 820
 ctggaaaaac ctttcagcga accatttcag ctcaggacac gttagcgtat gccacagctt 60
 tgttgaatga aaaagagcaa tcaggaagca gtaatgggtc ggagagtagn cctgccaatg 120
 agaacggaga cagncatcta cagcagggtt cagaatctcc catnatgatt ggtgagttga 180
 gaagngacct tgatgatgtt gatccctaga ggaacatgcc cagcctgaga ggagncaaga 240
 cacaatactg gatgctcagc accttctttg gaatcagaat ctcgaaccct ntggaagagc 300
 ctgnagatt 309

<210> 821
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 821
 catccgcttc ctgaatgctg agaatgcaca gaaattcaaa acaaagtttg aagaatgcag 60
 gaaagagatc gaagagagag aaaagaaagc aggatcaggc aaaaatgatc atgccgaaaa 120
 agtggcggaa aagctagaag ctctctcggg gaaggaggag accaaggagg atgctgagga 180
 gaagcaataa atcgtcttat tttattttct tttcctctct ttcctttcct tttttt 236

<210> 822

<211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 210
 <223> n = A,T,C or G

<400> 825
 aaaatccagt ttgttggttaa caaaacctac tgctgggtgg ttttgaatat attactttta 60
 ggcatgatct cccaatgtg tttttactcc ttttccggct tctaggacag aggtatgtag 120
 tcaaagaatc ctatggtgga tctgaattgg gtttcagcta ctgtacctgg tcctttgtgaa 180
 ttaaaaaaat aaagtcacaa aaaccataatn acaaaacaaa ttaaaataaa tagacaaaat 240
 gaagctgtct ccagaccttc tgcattgaca cacaggtttg aagtcaacca aagcactcat 300
 gctaattctgg atgggaacac tagggagaca gaaaccccag tatgaaacca tgtacttgag 360
 c 361

<210> 826
 <211> 195
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 26, 32, 44, 162, 179
 <223> n = A,T,C or G

<400> 826
 cccagaagn gacgcagccc tctatnggcc cnaatcttct tcantcgtc caggtcttca 60
 cggagcttgt tgtccagacc attggctagg acctggctgt attttccatc ctttacatcc 120
 ttctgtctgt tcaagaacca gtctgggata ttgtactggc gnggattctg cataatggng 180
 atcacacgtt ccacc 195

<210> 827
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 827
 caacggctct tcacagacca cctccttttc taaggaaaat ggctgggtatg acgtgatgag 60
 tgatacatat ttgattcag gttttgtctc taaagtagca cttcttacca cagagatcaa 120
 ggacttgggt aatattatgc ttttttcctt caatggatta attttcttaa tataaaaaca 180
 gatgaatacc aggctaagca ctagaaagag tagtaaagca gcaacaa 227

<210> 828
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 65, 214, 222
 <223> n = A,T,C or G

<400> 828
 atgtccgggg agtcagccag gagcttgggg aagggaagcg cgccccggg gccgggtcccg 60
 gaggnctgat ccgcatctac agcatgaggt tctgcccgtt tgctgagagg acgcgtctag 120
 tcctgaaggc caagggaatc aggcataaag tcatcaatat caacctgaaa aataagcctg 180
 agtggttctt taagaaaaat ccctttgggtc tggngccagt tntggaaaac agtcagggtc 240
 ag 242

<210> 829
 <211> 374
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339
 <223> n = A,T,C or G

<400> 829
 gaggtcctga aaaggaatac acttccatat catgccatct cttacactgg cattccttgc 60
 ctatgcatgt gcatggcttg ccctgggtta gcttggaac tgattgaaag tcagagagat 120
 cactggcttt gagacttgct tgggggactt gggtagcgct agaggagtct tccttcttac 180
 tctctgatgg gagccttgga acagaagttc tcaaaggctc aacgactgcc cctgcgtgat 240
 tagcatcgag agaagtagag ctttctcctg cactgaactc tttaggggat gaaattccca 300
 gccactgct gccatcaggt gagtcagtct ggcttttng cttgagttga ctgctggaag 360
 aagacgctat tgta 374

<210> 830
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 239, 313
 <223> n = A,T,C or G

<400> 830
 gttcaaagca gaaaatcctg agcctctagt gtttggtgtg aagtacaatg caagttcttt 60
 tgccaagtgc acgcttattg tgacagatgt gaatgaagca cctcaattct cccaacacgt 120
 attccaagcg aaagtcagtg aggatgtagc tataggcact aaagtgggca atgtgactgc 180
 caaggatcca gaaggtctgg acataagtta ttcactgagg ggagacacaa gaggttggn 240
 taaaattgac cacgtgactg gtgagatctt tagtgtggct ccattggaca gagaagccgg 300
 aagtcacatc cnggtacaag tgggtg 325

<210> 831
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 831
 tggtagcggg cccccccct gagcgatgga gcgtgggtag ggagggtcca cagtgtccac 60
 tcgccgtgtg cgaagggttg ctcgg 85

<210> 832
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 832
 aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt 60
 tgtggccctt gagggtgcca cgaagggtca tctgctcagt catggcggcg gcgagagcgt 120
 gtgtcgctgc agcgacgagg atggcactgg atggcttaga gaaactagca ccacaacctc 180
 tcctgccgtc gacgcggccg cg 202

<210> 833
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 434, 477, 495
 <223> n = A,T,C or G

<400> 833
 ccggctggtc ctgcatcgcc atctgctggc cgcgcggcac ggccgggttc tggagccagc 60
 aggagtcgga ggctgcaggg ctgtgaaggcc tcttcaccgt gccctccagg gaggctagct 120
 gccgaagtat tcctgctgga acttctggaa gtcttcctcg gtgaacacgg tgccctcagc 180
 cttcttcttc ttggctcttg ccacaggccg gtcacaggcc ttgcggcccc gggtctggcg 240
 caaaatctgc tggctcacag actcagccac ggtgcttctc gtccctggta gaaacttcag 300
 gtttactctg aggtgggtct gacactctcg ctcccggtac tcgtccagtg ccgacttggg 360
 cacctttccc ttggccgagt tccgcagttt ctgggcctga attgccttcg tcttcggggg 420
 ccgtttcacc gganccctc tcggcttggc ctgacctgga ggggtccggg gggcctngga 480
 cgccgccagc agctncaggc ccc 503

<210> 834
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 834
 atccagagac aatctgccgg ttgtcagagg agaaggccac actcagcaca tccttgggtat 60
 ggccacaaaa tcgcctcgtg gtggtgcccg ttgtgagatc ccagaggcgc aggggttccat 120
 ccagaggacc tgagagggca aactggccat ctgaggagat aaccacatca ctaacaaagt 180
 gggagtgacc ccgcagagca cgctgtgg 208

<210> 835
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88
 <223> n = A,T,C or G

<400> 835

<213> Homo sapiens

<400> 839

```
aaggcggcaa cgggtggtgaa agatatagca ggcttgggtct ttgtacagcg gatgctcgtg 60
aagagggggc gagcggtaga accttgggtc cttgtagccg cgggtcccagg gcggaaagat 120
cggccgcgcc agccagggca cgaagtgcac cttccccgca aaggatgatg gctccagtcc 180
agggatctcg tccccctat ccaggggagg aggtccgac ttccgcgtgg agcgcacgcc 240
ccactcatac gccccgcgtc tcggggcccc gaagccccca aggccgagct gcccggagcc 300
agctagcgcc cgccttgcgg gcccggacgc caatgccata ccgatctgat a 351
```

<210> 840

<211> 574

<212> DNA

<213> Homo sapiens

<400> 840

```
tggcctgcaa ggccgcggac agggcgagca ccgagtcgta cattttgcag ctcatcatcc 60
ccgtgctctg cgtgacgcag tccatccaca gcccttgta catggcctgg gccgtgatga 120
tgttgtcacc cgcataggag ctcatctgcc actgcgggat ggcggtgcag gccaccagac 180
ccaccagcc cagcagggcc atggagaagc ccagcaactg caggcccgaa ttggccattt 240
ccgccctcag aaaacactgg gggcgccggg cgggagaccc tacagtaaaa caaacgacac 300
ttggggggca gcccacaaa agaaaacttg aggtggagtt ttccggtcac ccaaagagac 360
aaaaagggtt tgggccagggt gaatgcaaact cttgtcacca aactacacac aaatcgaccc 420
ctccagtcaa gcgatggcct cgcggcacag ggagtaggat acgccgggag ggtgggtcca 480
gacaaaattg gtggtccccg aaggccaggc ggttccctcc ggcgctctcg gcgaccctag 540
gcaaacaaaa ggtggagggg ccgtctgggc gcgt 574
```

<210> 841

<211> 195

<212> DNA

<213> Homo sapiens

<400> 841

```
gaccagggg cacaggctcc cagatgatag cccctctctg aatgagcacc caggcaacac 60
agtccggggc tgtgtgtagc aaacctgtca gcagctgcct cctgggacaa ccacccccctt 120
acatgctatc tatctaccag acaaatgaaa gctcttctta ccccatctcc caggcacccc 180
ccagcaaggg ctctg 195
```

<210> 842

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 85, 87, 89, 101, 127, 138, 139, 147, 149, 150, 191

<223> n = A,T,C or G

<400> 842

```
cggccgccct tttttttttt ttttcgttga aaaccaataa tttatcaaaa cgctgcgtgt 60
gtatgtgggg gggagggtgt cacancnc agggcagcgg ngggcggacg cacaggcagg 120
aaacggngcc cggaaagnng gggcggnann ttgccactgg ctggccatgc gggcgggcag 180
gctaaacatt nttgccgcgc aggcgca 207
```

<210> 843
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 843
 cgatggagcg tgggtaggga ggggtccacag tgtccactcg ccgtgtgcga aggttgactc 60
 gg 62

<210> 844
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 844
 ttgggtacac tccctggtac cgggcccccc cgatccggct gccagccctg aggccaaagca 60
 cggttgagga cccacgacct ggcttgccgt tgccctgagc tgcagcctcg gccccagg 118

<210> 845
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 845
 gtacactccc ctggtaccgg gccccccac taccgagtca accttcgcac acggcgagtg 60
 gacactgtgg accctcccta cccacgctcc atcgctcag 99

<210> 846
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 552, 554
 <223> n = A,T,C or G

<400> 846
 cggccgccct tttttttttt ttttggttgt ggctganaat gctggagatg ctcagttctc 60
 tccctcaciaa ggtaggccac aaattcttgg tggtgccctc acatctgggg tcttcaggca 120
 ccagccatgc ctgccgagga gtgctgtcag gacagaccat gtccgtgcta ggcccaggca 180
 cagcccaacc actcctcatc caagtctctc ccaggtttct ggtcccgatg ggcaaggatg 240
 acccctccag tggctggtac cccaccatcc cactaccctc cacatgctct cactctccat 300
 cagggtcccca atcctggctt cctctctcac gaactctcaa agaaaaggaa ggataaaacc 360
 taaataaacc agacagaagc agctctggaa caaaaagtac aaaaagacag ccagaggtgt 420
 gcggagaggg tgaggtggcc gcgtggacgt gggtagataa tcgcatgcag cactggaact 480
 cctgatgagg ggtggggtcc ccacttctcc tcaaggtttg agggattggg gggagggggg 540
 cagctgactc ananaagta 559

<210> 847
 <211> 430
 <212> DNA
 <213> Homo sapiens


```

actaacacac agcgatgggt gggaaggaag gatgttcagg caaggttctt actcctttac 360
tcatctgggt ctggcttttg gaaaaaataa ggtttcatgt gctgggaaat acttagcagt 420
aataagtacc aaaaaggaaa cactgccctc tcattttgcc tagtaggaac ttactgtggg 480
gataagaaat atgaaaccca ttactctctt gaaccccata cttgggagta gatgcagaga 540
gct 543

```

```

<210> 851
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<400> 851
aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt 60
tgtggccctt gagggtgcca cgaaggggtca tctgctcagt catggcggcg gcgagagcgt 120
gtgtcgctgc agcgacgagg atggcactgg atggcttaga gaaactagca ccacaacctc 180
tcctgccgcc 190

```

```

<210> 852
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

```

```

<400> 852
aggcctcaca gaggcggggg cagaaggcgg cgacccanag ccgccacatc ccccgcccttg 60
ggcgccgtca cagtccccag acgccctgga ctccctgcagt ctacgaagac gcgcggggga 120
cggcgtgggt ccgagagagg gcgccaaagg cgacgtgccg gccgccagct ccaggccgag 180
ccccgagcgc ctgcaggaac aggcccttc acccggcgcg ggacgcagag ctgcgagaga 240
atcttgttca gcgcggactc aacgccaggg cgccgcctag aggttggtct ctgtctcggc 300
ctacccgcgc gggagaccac agagctgctt cccagccgc ccgcgcgcag aaattggaaa 360
aaaaaaaaatc cagctggggg ctaggaactc ggcttctggc acctctg 407

```

```

<210> 853
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 853
acagtcccag tactctttgc tcagctttcg gggccggcct cgtttccgct tcccggtgctt 60
gggatcccc ttcttgacgt cacgaaaacc atcgctgggg aagagcttgc catcagtggg 120
atccagggtc acgtcacttc caccggagtc tgaggagtgg gagctccgag aagcaccagt 180
ccctgcgggt gagacgtcag agctgccggg ggaggggggt cctgcgccac agctgccggg 240
gtggtagggg ctggcttgct gaccgtcgtc cagcagctcc tgggcaaagg ggctgccctg 300
gtcaaagggc cctgggtcta gggcctcctg gaaggccatg ccatccttct ccagcagctc 360
aatgatccaa ctgagctcat cagaagagct ggaagtggag tctcgacagt gggcatggag 420
ttggtcccc agaggcccaa agaccagacg cagtcctca agggcacaat tgcagagggt 480
ggcgccatcc atgtcacatc gtgagaagtc aatggcgctt gcgtcgact tgttcttctc 540
cacttggtag ctgatccagt ccagaacctg cgtcttcgac cagaactggg gctgttcccc 600
caaccagctg gccttctctg taccct 626

```


<210> 854
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 854
 atgacggctg cccgaagccc cccgagattg cacatggcta tgtggagcac tcggttcgct 60
 accagtgtaa gaactactac aaactgcgca cagaaggaga tggagtatac accttaaagt 120
 ataagaagca gtggataaat aaggctgttg gagataaact tcctgaatgt gaagcagtat 180
 gtgggaagcc caagaatccg gcaaaccag tgcagcgg 218

<210> 855
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 855
 gaggaacgaa gaataaagga gattgtgaag aaacattctc agtttattgg 50

<210> 856
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 856
 tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gccccgcgag cacagagcct 60
 cgcctttgcc gatccgcgc cgcgccacac ccgccgccag ctcaccatgg atgatg 116

<210> 857
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 857
 ggcgacgacc ccaagagggg ggtgggccac gatttctact tcttttttca ccattcgaca 60
 gttccactct tacacggcag ccacatagtg ttcttccatc tagctctcgg actgcatcag 120
 ctgcatctcg gggatcttca aattcaacaa aagcaaagcc ggggtgggttt ctagcaaccc 180
 acacacttcg gagtgggtcca tagtagccaa aagcccgttc caattccgtc ttgttgccat 240
 tgtttccaag attgcctaca taaaccttac agtccaatgg acaggaatca cgatgcattt 300
 cgagatctag ggttaaaaaa tgcggcgggt caaatccaca cgctccgatg agtcttcccg 360
 ctttctccg gcccaacacc aaccaacgtc gacgcggccg cg 402

<210> 858
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 858
 acattttatg acctctccca ataggggcag aggtgagcac ccttgggtgaa aagttaagac 60
 tcagtgaagta taaatacgcc aagaagagct gtggcttctt tcaactggtgt cctcagaaag 120
 gctgtgagca gtgttggttg catacctgtc acagcatcta gcaaagcacc tg 172

<210> 859
 <211> 196

<212> DNA
<213> Homo sapiens

<400> 863
aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctgggtt acccagccgt 60
tgtggccctt gagggtgcca cgaaggggtca tctgctcagt catggcggcg gcgagagcgt 120
gtgtcgctgc agcgacgagg atggcactgg atggcttaga gaaactagca ccacaacgtc 180
gacgcggccg cg 192

<210> 864
<211> 147
<212> DNA
<213> Homo sapiens

<400> 864
tttccccttg aagaagtaga cccgctcccg gccactgtag ctatgggcag ggagggccaa 60
ggctgcatcc acgttgctcg ggatgccatc gaagccgtca gagatatttc gggggtaatc 120
agggtccagg acaccatcct caaagcg 147

<210> 865
<211> 446
<212> DNA
<213> Homo sapiens

<400> 865
cggccgcttg acttggttg agctgtgagg ggtgggaggg gaggatagca ccggaagatg 60
ctgctccggg cccaacacca gccctggcca ggctctcccc tcccaggggc agcgcccagt 120
cccaggggc tgccagagcc ctgtgtgcct tgccgcattc cctgatgca gcttttggca 180
actgaaaggc agggctctcg ctgagtgcac ctggggcttc ctgagcccat ctgcggcggc 240
cccacccttg cctaggtgct gagtgcagct gctgcagaca gcccctccct ccttagtgga 300
gcctggaggg tggggtgctc ggggatgcag gcaggggcag ggggtccaga gccacaggtc 360
agaagcaggg ctgggggagg ggtggagcca ttcagcctca ggcaccctca cagctagggtg 420
actaggggca gggacagaat ggggtg 446

<210> 866
<211> 87
<212> DNA
<213> Homo sapiens

<400> 866
tccctcaact ggaccatggg cctgcccacc gacaatggcc acgacagcga ccaggtgttt 60
gagttcaacg gcaccaggc agtgagg 87

<210> 867
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2
<223> n = A,T,C or G

<400> 867

ttgaagtttc tcattcttcaa cagntgcttt catgttgaa 579

<210> 871
<211> 518
<212> DNA
<213> Homo sapiens

<400> 871
ctttctcctt cttatagacg ttccggacgg gcatgaccgg tccggtcagc tgggtggcca 60
gtttcagttc ttcagcagaa ctgtctccct tcttgggggc cgagggcttc ctggggaaga 120
ggatgagttt ggagcggtag tccttcagcc gctgcacgtt ggctgcagg gactccgtgg 180
acttgttccg cctcctcggg tccacagaaa tgccgatggg ccggggccacc ttcttggtgaa 240
tgccggccac cctgagctcc tccaggctga agccgcggcc ggccgcgacc ttcgtgtggt 300
accgaaccgt ggggcagcgc acgatgggccc ggatgggacc cgacgcgggg cgccggggcga 360
tgccggcgcg cttggcttgc cgggccttac gtctgcggat cttacgggcc ggctggttga 420
accacgtggc cagcgcggcg tgccagtcct tgtggaagtg gggcttcaag accatgccat 480
tccggctggg cgccatggct gcctacggcc ctgcggct 518

<210> 872
<211> 404
<212> DNA
<213> Homo sapiens

<400> 872
ctaaacactg tccagcgcag gggggtgcta gggaggtagc gtgacaacac gatggctgcg 60
atgcctgaag tgatgaccac gatggcggaa gtgacagaga ggatgttgac cacgcagtac 120
tgcagagcca ccgcatcttg aggggtgccc acgtagcgca gcactgtgcc atggaacagg 180
gcagctgtga tgaagctcac atggcccagc accaccagca ccaggcctgt ctcatcagc 240
accttccgga agtcgcccac actcaggcct ccgaggcgca gacacatgtc ggctccgcgc 300
tggtcccgcc cccggtttca gcgcggctcc cgaggctgcg ggccgcgggg ggaccctgct 360
cccatcccgc tggcccgctg cccgcgcgcc ccgcaaccgt gcgt 404

<210> 873
<211> 175
<212> DNA
<213> Homo sapiens

<400> 873
ggctgccagc gcctctaccc cgtgctgcag cagagcctgg tgcgggcccgc ccgccgcagg 60
ggcgcgcggc cccagccctg aaccagaagc ctgagcaact acggacgcaa gccgaggacc 120
gtgctgccgc cgtccacgaa aagacccgcg ccatcggcct ccagtttgcg tcgag 175

<210> 874
<211> 215
<212> DNA
<213> Homo sapiens

<400> 874
ggtagagaac cctgcggctg cgctttcggt gcccgcgaga ggcgctgggg cgcccggcag 60
gggcccgtgc gggctccggg agagggctga aggtgaagat ctgaggaccg gagccccgcc 120
ggggtcccgg gatggtggag ggggcccggg tcggggcctg caggatggtc atggtcgggt 180
ggcagctgcg agagtgcac atggtgagcc gacgcg 215

<210> 875

<211> 208
 <212> DNA
 <213> Homo sapiens

<400> 875
 atccagagac aatctgccgg ttgtcagagg agaaggccac actcagcaca tccttggtat 60
 ggccacaaaa tcgcctcgtg gtggtgcccg ttgtgagatc ccagaggcgc agggttccat 120
 cccaggagcc tgagagggca aactggccat ctgaggagat aaccacatca ctaacaaagt 180
 gggagtgacc ccgcagagca cgctgtgg 208

<210> 876
 <211> 484
 <212> DNA
 <213> Homo sapiens

<400> 876
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 ctcttatttg tttttgagct tgttcattgca gtccatgagg gctgggtagc cacctgagaa 120
 tcgccacagg tgcaactgcct ggtcctgctc cccataccac gtgttccagt tgcccacgag 180
 tgagcatggg tagtcctcat ccagggtgaag cttgggcagc acagcctccg tgaggctggt 240
 gtaggcattcc aggtattcag gctttacatt gtgaaactgg atcttataga ggttgctggt 300
 ttccttcttg gacagcaggg tggagtgggc atccttccgg ggatccactt tgtgaacaaa 360
 gagggagcgg aaccagctgc cttcattgtc cttggaatag aaacgcgccg cagctgcaga 420
 cgcaacgtcc ccagcgcgag gccccggggc cccagcagc cgccgcgccg tcacagagat 480
 gctg 484

<210> 877
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 877
 ggcgtcctgg tgcttaccac ctggaaactg gtgaggtggt gggagaactc ctggtggacc 60
 ctagtggaaag ccttccagta atttcttgaa gctgagcgtc caggtgagta gggcgacatc 120
 tgggtggccgg ttgttgaaagg tcattgcaga gaggaaggaa gccgaggagg ggagcctgca 180
 gtgagggcgt cctgggggttc tccggttctc accacccttg ggccacgccg tctagtccac 240
 acctgaggag ttggtcaggt agaaggggcg gatgaccgtg cggaagccgt tgaagtgcc 300
 tgccgggcag gggaaggagg aggtgctctt cgagctgttg gtgtccaggg cactgggaat 360
 cgcagccttc cagccctcga aatcggtgac gtctgccacg aagagccctt cgcagagcat 420
 cagggctttg ttttcgtagg caatggtgcg atctgagccg ccagacttgg tgaggcccat 480
 gacagggagc tcgtccgagg agcaggagaa gccgtagtct cagcagctct ggatggtggg 540
 gaggtagacc agggacca 558

<210> 878
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 132, 185
 <223> n = A,T,C or G

<400> 878

cggccgcaac cgcgcgaacc cgaagtcgat gatatttcacc ggggccccgg gcgtgtcgtc 60
 ggcgtacagg atgttctccg gcttgaggtc gcggtgcacc acgcccgcct cctcgtgcat 120
 gaagctcacg gncgacacga ggctgcgcag gatctggctt gcttccgact cgctgaagtg 180
 ccgntcttg cggatgtgct ccagcagctc cccgccccgc agcagctcca ggaccaggta 240
 cgtgtgcagc tggtcgtgat gcacctcgtg cagattcacc acgttggggg gtgactggca 300
 caggcgcagg gcagccactt cgcgctgcgt gttcgctcc agcctgcgac tgaggatctt 360
 gactgcgaac tcctggccgc tctggcgctg gcggcagcgg cgacacacag aaaagctgcc 420
 ctggcccagc gcaggctccc gcagggtccag ctcgtactgc tggagaagg gcgagtcctg 480
 catcatagcg ctcttgcca ccg 503

<210> 879
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 879
 ctgcctcggc tggcgggagg ggggaggcgg agagctcggg gcacgcgctg ccgtccggac 60
 cgcgtcgacg cggccgcg 78

<210> 880
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 880
 tgatgtgggc gattgatgaa aaggcgggtg aggcgtctgg tgagtagtgc atggctagga 60
 atagtccctgt ggtgatattg aggatcaggc aggcgccaaag gagtgagccg aagtttcac 120
 atgcggagat gttggatggg gtggggagggt cgatgaatga gtgggttaatt aattttatta 180
 ggggggtaatt tttgcggtcg acgcggccgc g 211

<210> 881
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 38, 88, 335
 <223> n = A,T,C or G

<400> 881
 cccacagtgg cttgtttccg cagtgcgcgg ccgtcannac ccaactctgg tccaccagga 60
 caccgcgcga gtggaacgag aggcogtnga agagcgagac ctgccagggc tgcgagccgc 120
 gcgcgcacgg ggcgccatag gcttcggggg ccaagcgcgt gtcgtttttg gggagcagcg 180
 ccgcctctgc ggcccagagt tgcgccatca gcagcggcag cagcttcgcc agagcccggg 240
 cgccagaggc ggcgagagg tggagggtgc gagctctcat ggccaggatc tgggagtcgc 300
 cgataggaag gagggagggg acccagacgt gcctntgccc tgctgtggt ctgccgcgtc 360
 cgacacggcc gcg 373

<210> 882
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 48
 <223> n = A,T,C or G

<400> 882
 cgcccgcggt tttttttttt ttttcagaca attcagcctt tattttanaa aataattctg 60
 tagcttccac tttctttcat gaaactgagg tcaggcaaga aacaaaaatc caccaagtcc 120
 tctccatcct gccatggcgt cctggcctgt gaggacatgg ggcgcctggg agcgggaggg 180
 gaggctgggc agcactgggc cagaggcgct ctggtcactg ctccacctgg tcaactgctcc 240
 acctcatgct gagaggagcc tgtgtgtcaa accccagggg aaaaaggggac aggcagatcg 300

<210> 883
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 883
 ggtagagaac cctgcggctg cgctttcggt gcccgcgaga ggcgctgggg cgcccggcag 60
 gggccgctgc gggctccggg agagggtcga aggtgaagat ctcaggaccg gagccccgcc 120
 ggggtcccgg gatggtggag ggggcccggg tcggggcctg caggatggtc atggtcgggt 180
 ggcagctgcg agagtgcac atggtgagcc gagcggtcga cgcgcccgcg 230

<210> 884
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 555
 <223> n = A,T,C or G

<400> 884
 gcccccaatt ccagctgccca caccacccac ggtgactgca ttagttcgga tgtcatacaa 60
 aagctgattg aagcaaccct ctactttttg gtctgtgagcc ttttgcttgg tgcaggtttc 120
 attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt 180
 gaagtagggg gagtccctcaa aatccgtata gttggtgaag ccacagcact tgagcccttt 240
 catggtgggt ttccacactt gagtgaagtc ttcttgaggaa ccataatctt tcttgatggc 300
 aggcactacc agcaacgtca ggaagtgtc agccattgtg gtgtacacca aggcgaccac 360
 agcagctgca acctcagcaa tgaagatgag gaggaggatg aagaagaacg tcacgagggc 420
 acacttgctc tcagtcttag caccatagca gcccaggaaa ccaagagcaa agaccacaac 480
 gccggctgcg atgaggaagt agcccacgtt gacaaaactgc atggcactgg acgacagtgg 540
 cccgaagatc ttcanaaagg atgccccatc gattgacacc cagatgcccc ctgccaaacag 600
 g 601

<210> 885
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

10053300121901

<222> 82, 83, 101, 127, 128

<223> n = A,T,C or G

<400> 885

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caggcggaga ggatcatgtc cgggaactgc ggggtagtag cgatctgggt taccagccg 60
ttgtggccct tgaggggtgcc annaagggtc atctgctcag ncatggcggc ggcgagagcg 120
tgtgtcnntg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct 180
ctcctgccgc cggtcgacgc ggccgcg 207
```

<210> 886

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 10, 14, 17, 37, 41, 88, 122, 123, 152, 158, 282, 388, 422

<223> n = A,T,C or G

<400> 886

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cancattatan aaanggnaaa ggaaacccca acatgcntgc nctgccttgg tgaccaggga 60
agtcacccca cggctatggg gaaattancc cgaggcttag ctttcattat cactgtctcc 120
cnnggtgtgc ttgtcaaaga gatattccgc cnagccanat tcgggcgctc ccatcttgcg 180
caagttggtc acgtggtcac ccaattcttt gatggctttc acctgctcat tcaggtaatg 240
tgtctcaatg aagtcacaca aatgggggtc atttttgtca gnggccagtt tgtgcagttc 300
cagtagtgac tgattcacat ttttttccaa atgtaatgca cactccattg cattcagccc 360
gctctcccag tcatcacagt ctggtttntt gatatcctga aggaagattc ggccacctcg 420
tnggttctgc agcttcatca gt 442
```

<210> 887

<211> 222

<212> DNA

<213> Homo sapiens

<400> 887

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gctcaggctc caaagccagc aggaaagagg tagctcggga cgtggagccg ccgcccaggt 60
gcgcaggac cacctcggcc gtcaccttag ccaggtaggt gcttaggtcc actgtgcgct 120
tcacgtctc attgatcagc ggcgggtgct cggaggaggc gctgcccggc gccggggccc 180
aagtcccaag caacaggagc agaaacaagc cggcggctgg cg 222
```

<210> 888

<211> 89

<212> DNA

<213> Homo sapiens

<400> 888

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ggtggcgtag cgcccgtta taaagccgca acaccttttg ctgatgggtc aggtagggtc 60
ccgacgcca gaacgccatt acggccgcg 89
```

<210> 889

<211> 451

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 889
 gcggnccgtg gacttggctt gagctgtgag ggggtgggagg ggaggatagc accggaagat 60
 gctgctccgg gccaacacc agccctggcc aggcctctccc ctcccagggg cagcgcccag 120
 tcccagggg ctgccagagc cctgtgtgcc ttgccgcatt cccctgatgc agcttttggc 180
 aactgaaagg cagggctctc gctgagtgca cctggggctt cctgagccca tctgcgggcg 240
 cccaccctg gcctaggtgc tgagtgcagc tgctgcagac agcccctccc tccttagtgg 300
 agcctggagg gtgggggtgct cggggatgca ggcaggggca ggggctccag agccacaggt 360
 cagaagcagg gctgggggag ggggtggagcc attcagcctc aggcaccctc acagctaggt 420
 gactaggggc agggacagaa tgggggtgaat t 451

<210> 890
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 890
 tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac ctgctgcctc acccacagct 60
 tttgat 66

<210> 891
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 583
 <223> n = A,T,C or G

<400> 891
 gggcgctcctg gtgcttacca cctggaaact ggtgaggtgg tgggagaact cctgggtggac 60
 cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat 120
 ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc 180
 agtgagggcg tcctgggggtt ctccggttct caccaccctt gggccacgcc gtctagtcca 240
 cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaagtgcc 300
 ctgccgggca ggggaaggag gaggtgctct tcgagctgtt ggtgtccagg gcactgggaa 360
 tcgcagcctt ccagccctcg aaatcgggtga cgtctgccac gaagagccct tcgcagagca 420
 tcagggcttt gttttcgtag gcaatgggtgc gatctgagcc gccagacttg gtgaggccca 480
 ggacagggag ctcgctccag gagcaggaga agccgtagtt ccagcagctc tggatggtgg 540
 ggaggtagac cagggaccag gacaccctct tgtcctggaa gangaagctg ggggtgttgt 599

<210> 892
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 892
 gtctcaaaaca ggaccgcatt tccggcattt cggctggtgt ccgtgttagt ggccacctgg 60
 gccagcaagt cattcatggt ctactgctc tcctcgtggg tccggcccag gat 113

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<220>
<221> misc_feature
<222> 160
<223> n = A,T,C or G
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```
<210> 894
<211> 67
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G
```

```
<210> 895
<211> 58
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 50, 52  
<223> n = A,T,C or G
```

```
<210> 896
<211> 177
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 24, 63, 84, 87
<223> n = A,T,C or G
```

<400> 896
gacatatttat gacctctccc aatnggggca gaggtgagca cccctggtga aaagttaaga 60
ctnagtgagt ataaatacgc caanaanagc tgtggcttct ttcactggtg tcctcagaaa 120
ggctgtgagc agtggttggtg gcataacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 897
<211> 542
<212> DNA
<213> Homo sapiens

<400> 897
gcttttctct tcttatagac gttccgggac ggcattgaccg gtccgggtcag ctgggtggcc 60
agtttcagtt cttcagcaga actgtctccc ttcttggggg ccgagggtt cctggggaag 120
aggatgagtt tggagcggta ctcttcagc cgctgcacgt tggctctgcag ggactccgtg 180
gacttggttc gcctcctcgg atccacagaa atgccgatgg tccggggccac cttcttgtga 240
atgccggcca cctgagctc ctccaggctg aagccgcggc cggcgcgcac cttcgtgtgg 300
taccgaaccg tggggcagcg cacgatgggc cggatgggac ccgacgcggg gcgcggggcg 360
atgcggcgcg ccttggtctg ccgggcctta cgtctgcgga tcttacgggc cggctgggtg 420
aaccacgtgg ccacgcgccg ctgccagtcc ttgtggaagt ggggcttcaa gaccatgcca 480
ttccggctgg gcgccatggc tgctacggc cctgcggctc ctggtcgacg cggccgcgaa 540
tt 542

<210> 898
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 5, 40, 77, 79, 89, 96, 123
<223> n = A,T,C or G

<400> 898
tancnatctg ggttaccacg ccgttggtggc ccttgagggg gccacgaagg gtcattctgct 60
cagtcattggc ggcggnana gcgtgtgtng ctgcancgac gaggatggca ctggatggct 120
tanagaaact agcaccacaa cctctcgtcg acgcggccgc gaatt 165

<210> 899
<211> 67
<212> DNA
<213> Homo sapiens

<400> 899
tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gctgctgcct caccacagc 60
ttttgat 67

<210> 900
<211> 77
<212> DNA
<213> Homo sapiens

<400> 900
cttcagggtc cagagctccc aggtttccag gttgcagtcc ctccagtccc agagctccca 60
gggtttcggg ttccagt 77

<222> 233, 273, 302

<223> n = A,T,C or G

<400> 906

```
gcggccgcac acacagccag gcgctaggct cctgcgga cctcggaag ggggaagagc 60
gtcaacaatt tacggagggt ccagccgctg ggtcagattg agacaaacca ttgtgtggtt 120
gggtttgggt cagcaggctg gagagggttc tgttcttttt gatcattatc gtttggggcc 180
ccaagggagg gtcttgggag ccacctgagc ccaaagctg ggaaattcct canagctgct 240
catgtcagga gccttctcac tgctgctggc ggnccagggt gcgtcccgc caacaaagcc 300
tntggaaggt gccttggcct ctctgtgtgc tgggggtttc atgtatacct gcagcgcctc 360
actgtccacc acgtcagcta ggtattcctc ctccagattg aggatgtggt cgatggcttc 420
ctccacattc tctgggagcc ccgtcacagt gacgcagttg gggctctggg ctccgctctg 480
tgggaagcga atgtccacct tgaatt 506
```

<210> 907

<211> 93

<212> DNA

<213> Homo sapiens

<400> 907

```
tcccgctgca caagttcacg tccatccgcc ggaccatgtc ggagggtggg ggctctgtgg 60
aggacctgat tgccaaaggc cccgtctcaa agt 93
```

<210> 908

<211> 238

<212> DNA

<213> Homo sapiens

<400> 908

```
gggtagagaa cctgcggtt gcgctttcgg tgcccgcgag aggcgctggg gcgcccggca 60
ggggccgctg cgggctccgg gagagggtcg aagggtgaaga tctcaggacc ggagccccgc 120
cggggtcccg ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg 180
tggcagctgc gagagtgaca catggtgagc cgagcggagg tcgacgcggc cgcgaatt 238
```

<210> 909

<211> 190

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 25, 56, 92, 97, 125, 132, 137, 140, 149, 150, 152, 175, 181

<223> n = A,T,C or G

<400> 909

```
gggcgtcctg gtgcttacca cctgnaaact ggtgagggtg tgggagaact cctggnggac 60
cctagtggaa gccttccagt aatttcttga anctgancgc tcagggtgagt agggcgacat 120
ctggnggccg gntgttnaan gtcattgcnn anaggaagga agccgaggag gggancctgc 180
ngtgagggcg 190
```

<210> 910

<211> 93

<212> DNA

<213> Homo sapiens

<400> 910
 tcccgtgca caagttcacg tccatccgcc ggaccatgtc ggagggtggg ggctctgtgg 60
 aggacctgat tgccaaaggc cccgtctcaa agt 93

<210> 911
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 911
 ggggtccgtca gggctgaaga cctgcccagg cacacaactc accacggccg gtagccatt 60
 ctcgcagggtg acattcttca tgggggtccag tgacacctgg gggcccagct tgcagctgga 120
 gatgtggggc tctgtgccgg tgcagtccat ggagaatggc cagtagcgt gcttcctccg 180
 tgaggcaaac attttgtaca ctttggtatt gtatgtcctc tccccaggga agccaaacat 240
 gccgcagacc acgcgggaat t 261

<210> 912
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 912
 gcgatggagc gtgggtaggg aggggtccaca gtgtccactc gccgtgtgcg aaggttgact 60
 cggtagt 67

<210> 913
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 913
 gctttctcct tcttatagac gttccggagc ggcatgaccg gtccggtcag ctgggtggcc 60
 agtttcagtt cttcagcaga actgtctccc ttcttggggg ccgagggctt cctggggaag 120
 aggatgagtt tggagcggta ctccctcagc cgctgcacgt tggcctgcag ggactccgtg 180
 gacttggtcc gcctcctcgg atccacagaa atgccgatgg tccggggccac cttcttgtga 240
 atgccggcca ccctgagctc ctccaggctg aagccgcggc cggcgcgcac cttcgtgtgg 300
 taccgaaccg tggggcagcg cacgatgggc cggatgggac ccgacgcggg gcgcggggcg 360
 atgccggcgc ccttggtttg ccgggcctta cgtctgcgga tcttacgggc cggctgggtt 420
 aaccacgtgg ccacgcgccg ctgccagtcc ttgtggaagt ggggcttcaa gaccatgcca 480
 ttccggctgg gcgccatggc tgcctacggc cctgcggctc ctgcgcgtcg acgcggccgc 540
 gaatt 545

<210> 914
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 914
 gctcggcatc agaccagttc ctcagcttcc tgaagtaacc atagcaattg gacttgttgt 60
 aaaaccatcc aggagcacag ctgggtctca tgatgatata acccaggact cctgttttgg 120
 ccaggcagct cagcaatagg agcagccgca tgcttctgga agccatcttc ctccatccct 180
 gaggatgtag ctagtgcaag gatctcagag accttactag cgcttctttg aaactcctgg 240
 gttctccttg atctgcaaat ctgtttggca accaaggctc acgcggccgc gaatt 295

<210> 915
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 915
 gctaaacact gtccagcgca ggggggtgct agggaggtag cgtgacaaca cgatggctgc 60
 gatgcctgaa gtgatgacca cgatggcgga agtgacagag aggatgttga ccacgcagta 120
 ctgcagagcc accgcatctt gaggggtgcc cacgtagcgc agcactgtgc catggaacag 180
 ggcagctgtg atgaagctca catggcccag caccaccagc accaggcctg tcttcatcag 240
 caccttccgg aagtcgcccc cactcaggcc tccgaggcgc agacacatgt cggctccgcg 300
 ctggtccgcg ccccggttc agcgcggctc ccgaggctgc gggccgcccg gggaccctgc 360
 tcccatcccg ctgtcgacgc ggccgcgaat t 391

<210> 916
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 538, 544
 <223> n = A,T,C or G

<400> 916
 gggcgctcctg gtgcttacca cctggaaact ggtgaggtgg tgggagaact cctggtggac 60
 cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat 120
 ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc 180
 agtgagggcg tcctggggtt ctccggttct caccaccctt gggccacgcc gtctagtcca 240
 cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaagtgcc 300
 ctgccgggca ggggaaggag gaggtgctct tcgagctggt ggtgtccagg gcaactggaa 360
 tcgcagcctt ccagccctcg aaatcggtga cgtctgccac gaagagccct tcgcagagca 420
 tcagggtctt gttttcgtag gcaatggtgc gatctgagcc gccagacttg gtgaggccca 480
 ggacagggag ctggtccgag gagcaggaga agccgtagtt ccagcagctc tggatggnng 540
 ggangtagac cagggacca 559

<210> 917
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 284, 287, 336, 360, 374, 392, 397, 400, 409
 <223> n = A,T,C or G

<400> 917
 gtccttggc gagcacgtga ccccgcgagg cagcaggag ggcaggcagg cccctgcgca 60
 ggcgctgggt ggactgcttc caggtgtcat attggaagaa cttgccacg gggatatctg 120
 ggaagtgtc cggaagcacg gtcggagggg tcgacacgct cctctcggac ttggcggggg 180
 tagcacagta cgtctccagg agggccaggt cacagctgcg gaaacagcac tcctcaacga 240
 tgccacggct gcgacggctc acacggcttg cgggcctgct gaantanaag ccgcggtccc 300
 cacagacgaa ctggagggtg tccaccagct ccccgncgca cagggtctca ctggggcggn 360

aagcagcaat gcancacgag gcgaaggcca anaaggngan aagcaccanc atcgacttcc 420
ccattgggat tccattgggt gtctgga 447

<210> 918
<211> 574
<212> DNA
<213> Homo sapiens

<400> 918
gctccttggc gagcacgtga ccccgggcggg cacgcaggag ggcaggcagg cccctgcgca 60
ggcgctgggt ggactgcttc caggtgtcat attggaagaa cttgcccacg gggatatctgg 120
ggaagtgtgc cggaagcacg gtcggagggg tgcacacgtc cctctcggac ttggcggggg 180
tagcacagta cgtctccagg agggccagggt cacagctgcg gaaacagcac tcctcaacga 240
tgccacggct gcgacggctc acacggcttg cgggcctgct gaagtagaag ccgcgggtccc 300
cacagacgaa ctggaggggtg tccaccagct ccccgccgca caggggtctca ctggggcggt 360
aagcagcaat gcagcacgag gcgaaggcca agaagggtgag aagcaccagc atcgacttcc 420
ccattgggat tccattgggt gtctggaagc cggcgacgct gccgcccacc tcctgctgc 480
gtgtcgcaaa ccgaacagcg ggcgttgcc ctctgccg acactcctct gccagcgccg 540
ctctggccga gtcgcggggg ccgaatgtgc gacg 574

<210> 919
<211> 139
<212> DNA
<213> Homo sapiens

<400> 919
gccgcgctcg tcgtcgacaa cggctccggc atgtgcaagg ccggcttcgc gggcgacgat 60
gccccccggg ccgtcttccc ctccatcgtg gggcgcccca ggcaccaggg cgtgatgggtg 120
ggcatgggtc agaaggatt 139

<210> 920
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526, 553, 556, 571
<223> n = A,T,C or G

<400> 920
ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120
gagtggagag tactggattg accccaacca aggtgtcaac ctggatgcc tcaaagtctt 180
ctgcaacatg gagactgggtg agacctgcgt gtacccact cagcccagtg tggcccagaa 240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtccc gacctgccg atgtggccat 360
ccagctgacc ttctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgtcct 480
ccagggtccc aacgagatcg agatccgcgc cgagggcaac agccgnttca cctacagcgt 540
cactgtcgat ggntgnacga gtcacaccgg nacct 576

<210> 921
<211> 421

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 408, 409, 413, 419
<223> n = A,T,C or G

<400> 921
gcgcatctgc ccgccctagt cggggaagag caggaagccg gagaagacgc tgtcagagcc 60
ctggatgccc accatgtcgt agtagtcatt gacagccagc cacacctcct cgcccacctg 120
caacctcagc agcacaccgc ccgagttgac ctgattgggt ttggacgtgt ggccacagaa 180
ggtgaccact ttgacgccgc tgcggtacag cagcacgcac aggttggtgt tatgcgacgc 240
gtggtagaca aagtagtaga ggccggggac tttgcagggt aacttgccag tgctcgtgtc 300
ataatctccc tgcgggttgg tgaggaccgc gttgaatctg atcaggctgt tgggtgcagg 360
gggctggtgg gtctgccgag tgaccngaa cactgactgg aatttctnnt tgnatctgnc 420
c 421

<210> 922
<211> 177
<212> DNA
<213> Homo sapiens

<400> 922
gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga 60
ctcagttagt ataaatacgc caagaagagc tgtggcttct ttcactggtg tcctcagaaa 120
ggctgtgagc agtgttgggt gcataacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 923
<211> 133
<212> DNA
<213> Homo sapiens

<400> 923
tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gcgagcagcg gcggcggcgc 60
ggagagacgc agcggaggtt ttcttggttt cggaccccag cggccggatg gtgaaatcct 120
ccctgcagcg gat 133

<210> 924
<211> 216
<212> DNA
<213> Homo sapiens

<400> 924
gggtagagaa ccctgcggct gcgctttcgg tgcccgcgag aggcgctggg gcgcccggca 60
ggggccgctg cgggctccgg gagagggtcg aaggtgaaga tctcaggacc ggagccccgc 120
cggggctccc ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg 180
tggcagctgc gagagtgaca catggtgagc cgagcg 216

<210> 925
<211> 649
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 441, 510, 603
 <223> n = A,T,C or G

<400> 925
 ggcccccaat tccagctgcc acaccaccca cgggtgactgc attagttcgg atgtcataca 60
 aaagctgatt gaagcaaccc tctacttttt ggtcgtgagc cttttgcttg gtgcaggttt 120
 cattggctgt gttggtgacg ttgtcattgc aacagaatgg gggaaaggca ctgttctctt 180
 tgaagtaggg tgagtcctca aaatccgtat agttggtgaa gccacagcac ttgagccctt 240
 tcatggtggt gtccacact tgagtgaagt ctccctggga accataatct ttcttgatgg 300
 caggcactac cagcaacgct aggaagtgt cagccattgt ggtgtacacc aaggcgacca 360
 cagcagctgc aacctcagca atgaagatga ggaggaggat gaagaagaac gtcacgaggg 420
 cacacttgct ctcagtcctta ncaccatagc agcccaggaa accaagagca aagaccacaa 480
 cgccggctgc gatgaggaag tagccacgn tgacaaactg catggcactg gacgacagtg 540
 gcccgagat ctccagaaag gatgccccat cgattgacac ccagatgccc actgccaaca 600
 ggnctgcacc acacagaaag atgagcaaat tgaagaggat catcatggt 649

<210> 926
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 926
 gggctcctcaa actctcgaat gtacggcgca atgccacaat aaggttgatt gtggtgtttt 60
 tcatgtggca gtttctccag ggggtggcagg tatggaatag ggtcacgggg ggcaaagagg 120
 gccagaagggt tgggcggcag gaactgggtc atcttgccaa gtccgctagc gccctcctcg 180
 ctctggcgct tgctcggagg ctccggcgcg ctgcggcagc ccctcagcaa caacaactcc 240
 tgcttcggct tccactccgg gggcgctccac gtccgtctga ttccgctcgc cgctaagcga 300
 gcgcaccaga ccgtgctca gcgtcgacgc ggccgcgaat t 341

<210> 927
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 265, 298
 <223> n = A,T,C or G

<400> 927
 gcggccgcca cgctgggttt gcatcttcag gagacgctcg tagccctcgc gcttctcctc 60
 ggccaattcg cggaagaagt ggctcacgcc ttccagagcc acatcatcgc ggtcgaaata 120
 gaagcccaga gagaggtagg tgtaggaggc ctgcaggtag aaattgacca ggctgttgac 180
 ggctgcctcc acgtcgggtg aataattctg acgaatctgg gagctcatgg ttggttgga 240
 agaaggagct aaccacaaaa acgngctgg cagggtccag aagcaggaga tggccganaa 300
 gatggtcccg gaggttgcaa gcggagagga aatcgagggg cggtcggagg ctggaagaga 360
 gtccccgat ctgttcctgc caaacactgt tgaagcaaga gacagaccgc cggtcgacgc 420
 ggccgcgaat t 431

<210> 928
 <211> 538
 <212> DNA

<213> Homo sapiens

<400> 928

```
gtggcctgca aggccgcgga cagggcgagc accgagtcgt acattttgca gctcatcatc 60
cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg 120
atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga 180
cccaccagc ccagcagggc catggagaag cccagcaact gcaggcccga attggccatt 240
tccgccctca gaaaacactg ggggcgccgg gcgggagacc ctacagtaaa acaaacgaca 300
cttggggggc agccccacaa aagaaaactt gaggtggagt tttccggtca cccaaagaga 360
caaaaagggt ttgggccagg tgaatgcaaa tcttgtcacc aaactacaca caaatcgacc 420
cctccagtga agcgatggcc tcgcggcaca gggagtagga tacgccggga ggggtggttc 480
agacaaaatt ggtggtcccc gaaggccagg cggttccctc cgggcgctct cggcgacc 538
```

<210> 929

<211> 69

<212> DNA

<213> Homo sapiens

<400> 929

```
ctcctcgacc accagcttgc actggcagta gttgagcagc agcggcgtga tctgcttgtc 60
cagctggat 69
```

<210> 930

<211> 544

<212> DNA

<213> Homo sapiens

<400> 930

```
gctttctcct tcttatagac gttccggacg ggcatgaccg gtccggtcag ctgggtggcc 60
agtttcagtt cttcagcaga actgtctccc ttcttggggg ccgagggctt cctggggaag 120
aggatgagtt tggagcggta ctcccttcagc cgctgcacgt tggcctgcag ggactccgtg 180
gacttggtcc gcctcctcgg atccacagaa atgccgatgg tccggggccac cttcttgtga 240
atgccggcca cctgagctc ctccaggctg aagccgcggc cggcgcgcac cttcgtgtgg 300
taccgaaccg tggggcagcg cacgatggg cggatgggac ccgacgcggg gcgcggggcg 360
atgcggcgcg ccttggcttg ccgggcctta cgtctgcgga tcttacgggc cggctggttg 420
aaccacgtgg ccacgcgcgg ctgccagtc ttgtggaagt ggggcttcaa gaccatgcc 480
ttccggctgg gcgccatggc tgcctacggc cctgcggctc ctgcggtcga cgcggccgcg 540
aatt 544
```

<210> 931

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 538

<223> n = A,T,C or G

<400> 931

```
gttgctgcag tggcttgggc gtcaggaggc tcaactgaggg ggccacatga cccagccag 60
tgacagtgca tgaggaggcc ttggggaagg aggcgttggc tgcaggagg cagatgggcc 120
ggatgtagcg ggagaagggt atgggtctgc tgagttggag gagtgcaatg tcgccctggg 180
agccctcctg gaggtagctg ggggtggggg tgatgtcctt cagggtgctg accttggcgt 240
```

```

cctcggagta ggagtctagc tgggtgggccc ccagcttgac ctcataggct tccttggtgt 300
gctcgctggg gaagcagtga gcagctgaca gcacccactg ctcagacacg agagagccac 360
cacacacatg gacgccttca taggtgatgc tgacctgcca gggccactga ccggcgactg 420
cactgctgcc acctgtgatg cgtgcttggg gggccacacc gcagggagct tctgcccctt 480
ccgctcctgt ccccgaccgg agtaatccaa gatagagcag aatggccaca gccccanct 540
gcccaggccc caggaccccc ttctgggcca tggcccagga caagggcccc tggggc 596

```

```

<210> 932
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 932
tctgtgctgg ggtctgggct ccgtggagag atgtgtaggg gtaatgagaa attgatcagc 60
aatgagaggt ggactctgag ccacctccct gacctgaat cattcaagcg aggagcagag 120
gagctcttga ctgggggacg gggatgtgag gat 153

```

```

<210> 933
<211> 112
<212> DNA
<213> Homo sapiens

```

```

<400> 933
tcaaacttgc cattgttaaa agcagccaca ttttggacct gcagtttcct cagaaatagt 60
taggattctg tgtcgacgcg gccgcgaatt ccaccacact ggactagtgg at 112

```

```

<210> 934
<211> 74
<212> DNA
<213> Homo sapiens

```

```

<400> 934
gtggccatcg agtccccatc ctggtcggcc acccggaac gccgctcgtc ccgaggtcga 60
cgcggccgcg aatt 74

```

```

<210> 935
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<400> 935
gcgggcgcca tcttggtcct tttccaccat tttcagcccc tccagggttt ggaggaccgc 60
gcgggccaca ctcttgagc ctgggtgaa gtggctgggc atgacgccgt ttctctgacg 120
tccccatag atcttggtca tggagccaac cccagcgcca cccggaggt acaggtgccg 180
cgctgtggaa gcagctcgcg tgtagaacca gttctcatcg tagggagcaa gctctttgtg 240
cttgccagc ttgacggtat ccacccattc ggggaatttc agcttcccgg actttttgag 300
gaaggctgcc agagctctga cgaactcctg ctggttcacg tcttttacag taactccagg 360
catcgtgcgg cctccgcgcg 380

```

```

<210> 936
<211> 155
<212> DNA
<213> Homo sapiens

```

<400> 936
ctggcgcttt gaggatggtg tcctggaccc tgattacccc cgaaatatct ctgacggctt 60
cgatggcatc ccggacaacg tggatgcagc cttggccctc cctgcccata gctacagtgg 120
ccgggagcgg gtctacttct tcaaggggaa acagt 155

<210> 937
<211> 213
<212> DNA
<213> Homo sapiens

<400> 937
gaggcggaga ggatcatgtc cgggaactgc ggggtagtag cgatctgggt taccagccg 60
ttgtggccct tgagggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg 120
tgtgtcgtg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct 180
ctcctgccgc cgccgtcgac gcggccgcga att 213

<210> 938
<211> 261
<212> DNA
<213> Homo sapiens

<400> 938
gggtccgtca gggtgaaga cctgcccagg cacacaactc accacggccg gtagccatt 60
ctcgcagggtg acattcttca tgggggtccag tgacacctgg gggcccagct tgcagctgga 120
gatgtgggccc tctgtgccgg tgcagtccat ggagaatggc cagtagcgct gcttcctccg 180
tgaggcaaac attttgtaca ctttgggtatt gtatgtcctc tccccaggga agccaaacat 240
gccgcagacc acgcgggaat t 261

<210> 939
<211> 228
<212> DNA
<213> Homo sapiens

<400> 939
gctcaggctc caaagccagc aggaaagagg tagctcggga cgtggagccg ccgcccagggt 60
gcgccaggac cacctcggcc gtcaccttag ccagggtggct gcttaggtcc actgtgcgct 120
tcacgtcctc attgatcagc ggcgggtgcct cggaggaggc gctgcccggc gccggggccc 180
aagtcccaag caacaggagc agaaacaagc cggcggctgg cgcgtcga 228

<210> 940
<211> 97
<212> DNA
<213> Homo sapiens

<400> 940
tccttcaagt atgcttgggt gctggacaag ctgaaggcgg agcgtgagcg cggcatcacc 60
atcgacatct ccctctggaa gttcgagacc accaagt 97

<210> 941
<211> 200
<212> DNA
<213> Homo sapiens

<400> 941

```

ggacccaggg gcacaggctc ccagatgata gcccctctct gaatgagcac ccaggcaaca 60
cagtccgggg ctgtgtgtag caaacctgtc agcagctgcc tcctgggaca accaccccct 120
tacatgctat ctatctacca gacaaatgaa agctcttctt accccatctc ccaggcaccc 180
cccagcaagg gctctgaatt                                     200

```

```

<210> 942
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<400> 942
gaggcgagga ggatcatgtc cggaactgc ggggtagtag cgatctgggt taccagccg 60
ttgtggccct tgagggtgcc acgaagggtc atctgtctag tcatggcggc ggcgagagcg 120
tgtgtcgctg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct 180
ctcctgccgc gtcgacgcgg ccgcgaatt                                     209

```

```

<210> 943
<211> 130
<212> DNA
<213> Homo sapiens

```

```

<400> 943
gtaaggagcc caagaaaaag tgatgccgcc tggcagactc gccatcccc aacgacacag 60
ggcaggacag cagaggacgt gctgggatta aacacattcc ccctcaaaaa aaaaaaaaaa 120
aaaaaaaaaa                                     130

```

```

<210> 944
<211> 563
<212> DNA
<213> Homo sapiens

```

```

<400> 944
gacagtccca gtactctttg ctacgctttc ggggccgggc tcgtttccgc ttcccgtgct 60
tgggatcccc cttcttgcag tcacgaaaac catcgctggg gaagagcttg ccatcagtgg 120
gatccaggtc cagtcactt ccaccggagt ctgaggagtg ggagctccga gaagcaccag 180
tccctgcggt ggagacgtca gagctgccgg gggagggggc tcctgcgcca cagctgccgg 240
ggtggtaggg gctggcttgc tgaccgtcgt ccagcagctc ctgggcaaag gggctgccct 300
ggtcaaaggg ccctgggtct agggcctcct ggaaggccat gccatccttc tccagcagct 360
caatgatcca actgagctca tcagaagagc tggaagttag gtctcgagc tgggcatgga 420
gttgggtcccc cagaggccca aagaccagac gcagctcctc aagggcacia ttgcagaggg 480
tggcgccatc catgtcacat cgtgagaagt caatggcgct tgcgtcgtac ttgtttctct 540
ccacttggtg gctgatccag tcc                                     563

```

```

<210> 945
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 629
<223> n = A,T,C or G

```

```

<400> 945

```

```

gctgagcccc ttactgctcc tcccaccaat gggctccctc acacccagga caggactaag 60
agggagctgg cggagaatgg aggtgtcctg cagctgggtg gccagagga gaagatgggc 120
ctcccgggct cagactcaca gaaagagctg gcctgaccac caggcacctc actggcactg 180
ctgacccatc ccagaaacac aatctcaggg acccgagcag ctccaaggac gagaggatac 240
agcagacaca acctaataga gagggcgcct gcagccttaa cctccacggc cttcgatact 300
tatgcaagcc tgggtgttgc cctgtcctca gagtcatcct gcgctcatgc cttttcccg 360
atgggttcac ctctggcagt tgccgcttca gtcttggcct tagcctcatc ttgaagtggg 420
tagctggcgg gagaggggtg ctgcgcccc tgctggccct gaggctgcag agttgggagc 480
aggacacctc acctgagttt cttttttttt catgtccaaa ccatgcacat actatagtcc 540
agaatcaaag cacttttgaa aagtggctgc atggccatcc tccagggccc aggaagttgc 600
attccaaggg cctgtttaca tggcagcana atccatc 637

```

```

<210> 946
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<400> 946
ggcgcgggct cctctccctt cggctgcccc gatgcggagc aagcggctcc cggggaagct 60
ggcgcgtcgg ccggtaccg cggcgagcac ttaggaaggc gcggggtggc cagttcacag 120
ctgcccgtc caagtggggg gaggcgaatt ggagaggagg aggaggggag gaaaaagagc 180
aaaagtgggg gcgcttgac cccttctctt ctccctcctgc aaagaaaagt ttccgggggtt 240
gaaactggcg agtctccgcg ccactgaagt ttccagtcag ttccgaggtc gacgcggccg 300
cgaatt 306

```

```

<210> 947
<211> 71
<212> DNA
<213> Homo sapiens

```

```

<400> 947
ggtccagagc tcccaggttt ccaggttgca gtccctccag tcccagagct cccagggttt 60
cggtttccag t 71

```

```

<210> 948
<211> 575
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264, 344
<223> n = A,T,C or G

```

```

<400> 948
gcggcgcgcc tttttttttt tttttgtcag caaaaatctt ttttaataaga gagtaggac 60
cagggttagt tttttagacc tcggctggcc cgtcggcctc tggcacgctc gaacttccgg 120
cccttgagc ggacgtaggg tttgggtgtg ctgtgcgggg ttccctggggc cttgccgaaa 180
tgccggtaca cctctcggcc cttgcgagga ccggagagca ggacagtgcc acagccctta 240
ggggagtcca gggccagctg gtcnaaagtg aggatcttgc cccctgccct gaggatgcgg 300
ctgcggggcc ggctggtcac gcgcagtga cataccttca gttnggggtac ctccctgaacc 360
cgcacatcat cagttatggt ccccacaacc acggccgtct tgttttcccg gccaggaagc 420
ttcatcttcc ggatcatccg ggaaagggac agaggcggcc gggttggtgcg actcataaac 480
aacctcttca acacaacctg gttgaatgtg gagttgggtc ttctggccag aaacctgtat 540

```


aacttgacca acagcctcag gtagatatcc tggct

575

<210> 949

<211> 294

<212> DNA

<213> Homo sapiens

<400> 949

gggggtttcca cgtagccccc aatgcccaca accaccatgg gtggtgtctc tacaatggtc 60
acagcctcca ccacctcctt cttgttcacc ttggatcccg gcctgtcgac ttcccgcacg 120
atgtgagtca tgccagcctt gtatcccagg aaggctgtga ggtggaccgg cttggacggg 180
tcatccttag ggaagctctt caccctccca cgatgcctgc tgetgcgctt ccgaggcagg 240
aagccgaggg acccatgtct gggagcggag aactttctgt gagacatcac gccca 294

<210> 950

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 556, 676

<223> n = A,T,C or G

<400> 950

ggcccccaat tccagctgcc acaccaccca cgggtgactgc attagttcgg atgtcataca 60
aaagctgatt gaagcaaccc tctacttttt ggctcgtgagc cttttgcttg gtgcagggtt 120
cattggctgt gttggtgacg ttgtcattgc aacagaatgg gggaaaggca ctgttctctt 180
tgaagtaggg tgagtcctca aaatccgtat agttggtgaa gccacagcac ttgagccctt 240
tcatggtggt gtccacact tgagtgaagt ctccctggga accataatct ttcttgatgg 300
caggcactac cagcaacgtc aggaagtgtc cagccattgt ggtgtacacc aaggcgacca 360
cagcagctgc aacctcagca atgaagatga ggaggaggat gaagaagaac gtcacgaggg 420
cacattgtc ctcagtctta gcaccatagc agcccaggaa accaagagca aagaccacaa 480
cgccggctgc gatgagggaag tagcccacgt tgacaaactg catggcactg gacgacagt 540
gcccgaagat cttcanaaag gatgccccat cgattgacac ccagatgcc actgccacaa 600
gggctgcacc acacagaaag atgagcaaat tgaagaggat catcatggtc ttaatgaagc 660
tgaagcactg catggnnggt cctgttcagg gct 693

<210> 951

<211> 607

<212> DNA

<213> Homo sapiens

<400> 951

gtggcctgca aggcgcggga cagggcgagc accgagtcgt acattttgca gctcatcatc 60
cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg 120
atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga 180
cccaccagc ccagcagggc catggagaag ccagcaact gcaggcccga attggccatt 240
tccgccctca gaaaacactg ggggcgcggg gcgggagacc ctacagtaaa acaaacgaca 300
cttggggggg agccccacaa aaaaaactt gaggtggagt ttccgggtca cccaaagaga 360
caaaaagggt ttgggcccag tgaatgcaaa tcttgtcacc aaactacaca caaatcgacc 420
cctccagtga agcgtggcc tcgcggcaca gggagtagga tacgcgggga ggggtggttc 480
agacaaaatt ggtggtcccc gaaggccagg cggttccctc cgggcgctct cggcgacct 540
aggcaacaaa aagggtggagg ggccgtctgg gcgcgtttct gagcgccggc aagtcccaaa 600

gtatcct

607

<210> 952

<211> 372

<212> DNA

<213> Homo sapiens

<400> 952

```

ggatgaggtc aacccgaagg ggtttcttga gaagcagtga cttcttctgg actttgggtc 60
tcttctttgt cagccctttt tccttggagc cagtgtccac gaagaagagt ttttcatttg 120
gggcctctga caacaagcca ccgctcgtgc gtcctgtag ccgcacgtct tccaggaact 180
ggtcaacctc cagccccagc ggctcctgag caagccgccg ccagccccgc ttcttatttc 240
ttgggcctcg ccgcgcgcgc ctccagcgtg ggtccaccga agtgggcgcg agccccagga 300
aaccagaatc ggcatcgctt ttccagctgc gcttcccacc aacgccactg cctgtcgacg 360
cgccgcgaa tt 372

```

<210> 953

<211> 275

<212> DNA

<213> Homo sapiens

<400> 953

```

gccatctgct gttttttctc agcaccttcc gtcttttggt caatacttga gacgaccctc 60
caagatgacc tacgggctcc tacaacattt ttataagcaa ctgagagaag attcctctcc 120
tcattggata attcagctcc ttgctcagtt acagacttca tgcaggctgc catgtcatca 180
tatcgctcag cctgctcggc cagtttggcc ttctgaacca gctcattttt atccatgact 240
ggatgttctg tgtccggctg acgcggccgc gaatt 275

```

<210> 954

<211> 189

<212> DNA

<213> Homo sapiens

<400> 954

```

ggctccact tccctgcttc gatggagaag gcgagggtgt ccagcagggt ccgtaggtcc 60
ctgaccacgc tgaccaccac cctggggccag cttctgacag tcccaacctc cagttgctgg 120
aggggtagtg gcctcacaga cggccctcct ctagatgcag tggggccaga gtcgacgcgg 180
ccgcgaatt 189

```

<210> 955

<211> 189

<212> DNA

<213> Homo sapiens

<400> 955

```

gaggcggaga ggatcatgtc cgggaactgc ggggtagtag cgatctgggt taccagccg 60
ttgtggccct tgagggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg 120
tgtgtcgctg cagcgacgag gatggcactg gatggcttag agaaactagc gtcgacgcgg 180
ccgcgaatt 189

```

<210> 956

<211> 216

<212> DNA

<213> Homo sapiens

<400> 956
 gcggccgcac gtgtaggcaa agaagcctgt gtccggcctc cagaccatgt tggcccggccc 60
 attcccgcgtg taaccgacga cagccttcag acgcagccac ccaccgctgg cgggaggcgg 120
 gcaagtgccc ttggcagagt gggggctgca gctgaccctg gcaggcgtga aggccttgca 180
 ggaagccagg taggtggtgc gtggggcccc cgaatt 216

<210> 957
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 957
 ccagtgggag gctcccaccc tggtagatga acagcccctg gagaactacc tggatatgga 60
 gt 62

<210> 958
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 958
 ggattcggtc atattggaat tgctgttcct gatgtataca gtgcttgtaa aaggtttgaa 60
 gaactgggag tcaaatttgt gaagaaacct gatgatggta aaatgaaagg cctggcattt 120
 attcaagatc ctgatggcta ctggattgaa attttgaatc ctaacaaaat ggcaacctta 180
 atgtagtgct gtgagaatt 199

<210> 959
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 959
 gaggcggaga ggatcatgtc cggaactgc ggggtagtag cgatctgggt taccagccg 60
 ttgtggccct tgaggggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg 120
 tgtgtcgctg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct 180
 ctctgccgc cgcgtcgacg cggccgcgaa tt 212

<210> 960
 <211> 177
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 79
 <223> n = A,T,C or G

<400> 960
 gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga 60
 ctcaagtgagt ataaatacnc caagaagagc tgtggcttct ttcactgggtg tcctcagaaa 120
 ggctgtgagc agtgttggtg gcataacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 961

<211> 490
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 203, 296
 <223> n = A,T,C or G

<400> 961
 gggcgctcctg gtgcttacca cctggaaact ggtgaggtgg tgggagaact cctggtggac 60
 cctagtggaa gccttccagt aatttcttga agctgagcgc tcaggtgagt agggcgacat 120
 ctggtggccg gttgttgaag gtcattgcag agaggaagga agccgaggag gggagcctgc 180
 agtgagggcg tcctgggggt ctncggttct caccaccctt gggccacgcc gtctagtcca 240
 cacctgagga gttggtcagg tagaaggggc ggatgaccgt gcggaagccg ttgaantgcc 300
 ctgccgggca ggggaaggag gagggtgctct tcgagctggt ggtgtccagg gcaactggaa 360
 tcgcagcctt ccagccctcg aaatcgggtga cgtctgccac gaagagccct tcgcagagca 420
 tcagggcctt gttttcgtag gcaatggtgc gatctgagcc gccagacttg gtgaggccca 480
 ggacagggag 490

<210> 962
 <211> 159
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 53, 80, 82, 90
 <223> n = A,T,C or G

<400> 962
 gggtcggccc ggggtggttgc ggccacagcg cagcggcgga gagcggcgcc cancatgacg 60
 gcgatggcgg cgcgcgggcn gnggacagan agaagccggt gtaagctcgc gggttgctcc 120
 ggagcgggcg ggggccggac gtcgacgcgg ccgcgaatt 159

<210> 963
 <211> 217
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 79, 80
 <223> n = A,T,C or G

<400> 963
 gggtagagaa ccctgcggct gcgctttcgg tgcccgcgag aggcgctggg gcgcccggca 60
 ggggccgctg cgggctccnn gagagggctc aggtgaaga tctcaggacc ggagccccgc 120
 cggggtcccg ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg 180
 tggcagctgc gagagtgaca catggtgagc cgagcgt 217

<210> 964
 <211> 540
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 484

<223> n = A,T,C or G

<400> 964

```
gtggcctgca aggccgcgga cagggcgagc accgagtcgt acattttgca gctcatcatc 60
cccgtgctct gcgtgacgca gtccatccac agccccctgt acatggcctg ggccgtgatg 120
atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga 180
cccacccagc ccagcagggc catggagaag cccagcaact gcaggcccga attggccatt 240
tccgccctca gaaaacactg ggggcgcggg gcgggagacc ctacagtaaa acaaacgaca 300
cttggggggc agccccacaa aagaaaactt gaggtggagt tttccggtca ccaaagaga 360
caaaaagggt ttgggccagg tgaatgcaa tcttgtcacc aaactacaca caaatcgacc 420
cctccagtga agcgatggcc tcgcggcaca gggagtagga tacgccggga gggtggttcc 480
aganaaaatt ggtggtcccc gaaggccagg cggttccctc cgggcgctct cggcgaccct 540
```

<210> 965

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 299, 307

<223> n = A,T,C or G

<400> 965

```
gcccacagtg gcttgtttcc gcagtgcgcg gccgtcagca cccaactctg gtccaccagg 60
acacccgcgc agtggaaacga gagggcgttg aagagcgaga cctgccaggg ctgcgagccg 120
cgcgcgcacg gggcgccata ggcttcgggg tccaagcgcg tgctgttttg ggggagcagc 180
gccgcctctg cggcccagag ttgcgccatc agcagcggca gcagcttcgc cagagcccgg 240
gcgccagagg cggcggagag gtggagggtg ggagctctca tggccaggat ctgggagtna 300
ccgatangaa ggaggggagg g 321
```

<210> 966

<211> 642

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 238

<223> n = A,T,C or G

<400> 966

```
ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120
gagtgagag tactggattg accccaacca aggtgcgaac ctggatgcca tcaaagtctt 180
ctgcaacatg gagactgggt agacctgcgt gtacccact cagcccagtg tggccanaa 240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtcc gacctgccg atgtggccat 360
```

```

ccagctgacc ttcttgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgtctct 480
ccagggtctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540
cactgtcgat ggctgcacga gtcacaccgg agcctggggc aagacagtga ttgaatacaa 600
aaccaccaag acctcccgcc tgcccatcat cgatgtggcc cc 642

```

```

<210> 967
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 571
<223> n = A,T,C or G

```

```

<400> 967
ggtggacacc acctcaaga gcctgagcca gcagatcgag aacatccgga gcccagaggg 60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180
ctgcaacatg gagactggtg agacctgcgt gtaccccaact cagcccagtg tggcccagaa 240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtctcc gacctgccg atgtggccat 360
ccagctgacc ttcttgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgtctct 480
ccagggtctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540
cactgtcgat ggctgcacga gtcacaccgg naggcctgggg caagacagtg attgaataca 600
aaaccaccaa gaccttccgc ctgcccatac tcgatgtggc ccccttggac 650

```

```

<210> 968
<211> 629
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 571
<223> n = A,T,C or G

```

```

<400> 968
ggtggacacc acctcaaga gcctgagcca gcagatcgag aacatccgga gcccagaggg 60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180
ctgcaacatg gagactggtg agacctgcgt gtaccccaact cagcccagtg tggcccagaa 240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtctcc gacctgccg atgtggccat 360
ccagctgacc ttcttgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgtctct 480
ccagggtctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540
cactgtcgat ggctgcacga gtcacaccgg naggcctgggg caagacagtg attgaataca 600
aaaccaccaa gaccttccgc ctgcccatac 629

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<210> 969
<211> 222

```

<212> DNA
<213> Homo sapiens

<400> 969
gaatgtcagg ggtgttgggg gctttggctg ggtcctgggt ctctgtgtag agacctggag 60
gcgcttggtt cttgggggtt tccaggattc cagcctcgta gctgatgtgc atgaggttct 120
catccatgct ccacgggttc ttgggagtga ccgggatggg aatcccgtgt tgctttgcgt 180
actccatcag gtcattgcgg cccttgaacc gggtgtagaa tt 222

<210> 970
<211> 79
<212> DNA
<213> Homo sapiens

<400> 970
gcagggggcg cctggccttg ctccgctcca cgaggaggcc gccaacgcga gggccgcgac 60
acggacggga agcaacgga 79

<210> 971
<211> 111
<212> DNA
<213> Homo sapiens

<400> 971
ggaaaatgca tctacccac ccaaccagca gcctcacttt aggtgcctt gtcccgggag 60
ccccattcgt cagccccacg cctcctccag gatccgggac cagctcgaaat t 111

<210> 972
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 571
<223> n = A,T,C or G

<400> 972
ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60
cagccgcaag aaccccgccc gcacctgccc tgacctcaag atgtgccact ctgactggaa 120
gagtggagag tactggattg accccaacca aggtgcaac ctggatgcca tcaaagtctt 180
ctgcaacatg gagactggtg agacctgctg gtacccact cagcccagtg tggcccagaa 240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtccc gacctgccc atgtggccat 360
ccagctgacc ttctgcccgc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg cctgtctcct 480
ccagggtccc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540
cactgtcgat ggctgcacga gtcacaccgg nagcctgggg caagacagtg attgaatata 600
aaaccacca 609

<210> 973
<211> 311
<212> DNA
<213> Homo sapiens

<211> 114
 <212> DNA
 <213> Homo sapiens

<400> 978
 ggagctgatg cgggaaccgg gccactcgt gtaggagcgg ctgctgaagg cccggggggcc 60
 agaggtggac accttgtagg acttctgggt caccgcgcga cgcggccgcg aatt 114

<210> 979
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 979
 gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga 60
 ctcaagttagt ataaatacgc caagaagagc tgtggcttct ttactggtg tcctcagaaa 120
 ggctgtgagc agtggttggt gcataacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 980
 <211> 188
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41
 <223> n = A,T,C or G

<400> 980
 ggagctgatg cgggaaccgg gccactcgt gtaggagcgg ntgctgaagg cccggggggcc 60
 agaggtggac accttgtagg acttctgggt caccctgatg gacatggtag aggctggagt 120
 ggaggcaggc gggccgaacc aggcggagat cctagaagga gcgagaagg tcgacgcggc 180
 cgcgaatt 188

<210> 981
 <211> 184
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 91
 <223> n = A,T,C or G

<400> 981
 gggccccagg aggcggggtg ggcacaggcc atggcgaggg tggggcacaa gagccccaga 60
 cccgggcggc ttgactga tgggctgcgg ntgggcacag gccatagtga ggggggcatg 120
 agagccccag accgggaggc ttgactga tgagctgcag ggcaggtcga cgcggccgcg 180
 aatt 184

<210> 982
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 982
 tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac cgaaccctga accctacggt 60
 cccgacccgc gggcgaggcc gggtagctgg gctgggat 98

<210> 983
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 165
 <223> n = A,T,C or G

<400> 983
 gccggatatg gtcctgccgg tggcagccta tgggctgata ctgatggcca tgctgtggcg 60
 cggcctggcg cagggcggga gtgccggctg gggcgcgctg ctcttcacgc tctctgatgg 120
 cgtgctggcc tgggacacct tcgcccagcc cctgccccat gccncctgg tgatcatgac 180
 cacctactat gctgcccagc tcctcatcac actgtcagcc ctgaggagcc cgggtgcccac 240
 gactgactga ctaggagact tgaagggccg gtgttcaggc cctctcctcc tgcaaggacc 300
 tgggcctccc agcccagccc agcctgagaa ataccctcag cagcgaagct tcctgacgcc 360
 tgtctgcagg cgccgctgcc gccgtcgctt ctggctgaag acgtttgagg acgatttgcg 420
 gaatt 425

<210> 984
 <211> 148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 984
 tcctnagcca gggagacagg gaccaggcag cacaggcctg ccagcaggag gatgccccac 60
 gagacagaag acggcattgt cgattcactg tcccaggcca gtggtgggtc gacgcggccc 120
 cgaattccac cacactggac tagtggtat 148

<210> 985
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 238, 255, 403, 448, 451
 <223> n = A,T,C or G

<400> 985
 ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagagggg 60
 cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120
 gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180

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ctgcaacatg gagactggtg agacctgcgt gtacccact cagcccagtg tggcccanaa 240
gaactggtac atcancaaga accccaagga caagaggcat gtctgggtcg gcgagagcat 300
gaccgatgga ttccagttcg agtatggcgg ccagggtcc gaccctgccg atgtggccat 360
ccagctgacc ttctctgcgc tgatgtccac cgaggcctcc canaacatca cctaccactg 420
caagaacagc gtggcctaca tggaccanca nactggcaac c 461

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<210> 986
<211> 138
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 45, 137
<223> n = A,T,C or G

```

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<400> 986
gagcggctgc tgaaggcccg ggggccagag gtggacacct tgtangactt ctgggtcacc 60
ctgatggaca tggtagaggc aggagtggag gcaggcgggc cgaaccaggc ggagatccta 120
gaaggagcgg aggtcgnc 138

```

```

<210> 987
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 423
<223> n = A,T,C or G

```

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<400> 987
gcggcgcgcc tttttttttt ttttttttag tggataact atatttattg tgcctgagag 60
gcaaggtgag ggaaaaatct caacagaagc aagtttgggg aaaatctgga gtccccagta 120
aaaagcagga aggtctctgc tgtactcatc acagaatggg agagagggct ctcaatagat 180
cattcccttt gtttctcccc tgggcttctt gagcttctcg aagttcttca ggatgatgtc 240
atataacaca gcataagcat tgcggatctc catgaccatc agccggatgt cccggtactc 300
tgctcatcc agctcgtgca ccagctgccg ataataccc acatggggct gcttggctgc 360
tttagtcaact gcatcaccac gctcagagaa atacttagag atttgagtgt ggaagccttc 420
tancctgggtg tggaggctgg tcatcagctc aaacaccttc tctggacag ccaactccaaa 480
attgttacca tctcaatcc gaggtatctg cagctgcaac caggtggtga ccaggttagag 540
ctgctcaatg acatc 555

```

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<210> 988
<211> 318
<212> DNA
<213> Homo sapiens

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<400> 988
gacggcgcgg gcgacctacg aacagctttg aggaagcccc gacagtggcg gcgtccagtg 60
cctccgaggg cggcgaccgc ggctccgcag cctctccag ccgctccgcc cggttccggg 120
gagtcggtcg ggacaaaatg gcctccctc cccctcagg gcttctcggc cgggacgctc 180
ccacgggcga gcaagcctgc tctgccgtcg aggaggcgca gcgggcgtga ggacagtctc 240
tctcccgagc ggaaactccc tgctagcacg cggcgagggc agcgaagaag gaccctaag 300

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agccatgtgc aatctcgggg ggcttcgggc agccgtcatc tgcgat

226

<210> 993
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 9, 15, 37, 41, 85, 87
<223> n = A,T,C or G

<400> 993
ctcgtgttng agcgntctgt gaaggcccgg gggccanagg nggacacctt gtacgacttc 60
tgggtcaccc tgatggacat ggtanangct ggagtggagg caggcggggc gaaccaggcg 120
gagatcctag aaggagcgga ggtcgacgcg gccgcgaatt 160

<210> 994
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 9
<223> n = A,T,C or G

<400> 994
nagcctganc cagcagatcg agaacatccg gagcccagag ggcagccgca agaacccccgc 60
ccgcacctgc cgtgacctca agatgtgcca ctctgactgg aagagtggag agtactggat 120
tgaccccaac caaggctgca acctggatgc catcaaagtc ttctgcaaca tggagactgg 180
tgagacctgc gtgtacccca ctgagcccag tgtggcccag aagaactggg acatcagcaa 240
gaaccccaag gacaagaggc atgtctgggt cggcgagagc atgaccgatg gattccagtt 300
cgagtatggc ggccaggggc cggacctgc cgatgtggcc atccagctga ccttcctgcg 360
cctgatgtcc accgaggcct ccagagaacat cacctaccac tgcaagaaca gcgtggccta 420
catggaccag cagactggca acctcaagaa ggccctgctc ctccaggggc ccaacgagat 480
cgagatccgc gccgagggca acagccgctt cacctacagc gtcactgtcg atggctgcac 540
gagtcacacc ggagcctggg gcaagacagt gattgaatac aaaaccacca agacctcccg 600
cctgcccata atcgatgtgg cc 622

<210> 995
<211> 158
<212> DNA
<213> Homo sapiens

<400> 995
aataagattt tgccagaggg gaaggctcga ttgtgctgtt aataacttaa taatgacaaa 60
ataatgaggt gtatatgctt tacatgcaat gttatatagt gaattgttct gattcttaat 120
tgtaagtctg gtttttttat ctgtaagata attgtgtg 158

<210> 996
<211> 295
<212> DNA
<213> Homo sapiens

<400> 996
 cgccgcgctc gactctcgga gcggagacgg caaatggcgg acttcgacac ctacgacgat 60
 cgggcctaca gcagcttcgg cggcggcaga gggccccgg gcagtgcctgg tggccatggt 120
 tcccgtagcc agaaggagtt gccacagag cccccctaca cagcatacgt aggaaatcta 180
 cctttcaata cggttcaggg cgacatagat gctatcttta aggatctcag cataaggagt 240
 gtacggctag tcagagacaa agacacagat aaatttaaag gattctgcta tgtag 295

<210> 997
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 997
 cgccgcgcct tttttttttt ttttttaagg ttttttggt gtaagtttat tcaatgcaaa 60
 agaatcctct ccaattttac tgagggtggc gaccacgtcc acgaccaaata ccgcctctaa 120
 actgg 125

<210> 998
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 998
 gagctgatgc gggaaccggg cccactcgtg taggagcggc tgctgaaggc ccggggggcca 60
 gaggtggaca ccttgtagga ctctcgggtc accctgatgg acatggtaga ggctggagtg 120
 gaggcaggcg ggccgaacca ggcggagatc ct 152

<210> 999
 <211> 119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 29, 54, 76, 77
 <223> n = A,T,C or G

<400> 999
 taaagcaacc actaaaccac ctncagcang agaaagcagc agagagctct tcanacagct 60
 cagactctga cagctnngag gatgatgaag ctcttcttaa gccagctggt accaccaag 119

<210> 1000
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 7
 <223> n = A,T,C or G

<400> 1000
 ccctcnngag gcggagagga tcatgtccgg gaactgcggg gtagtagcga tctgggttac 60

ccagccgttg tggcccttga ggggtgccacg aagggtcacg tgctcagtc tggcggcggc 120
 gagagcgtgt gtcgctgcag cgacgaggat ggcactggat ggcttagaga aactagcacc 180
 acaacctctc ctgcgtcgac gcggccgcg 209

<210> 1001
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1001
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
 agccgcaaga accccgcccc cactgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccocactc agcccagtggt ggcccagaag 240
 aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc 360
 cagctgacct tctgcgcct gatgtccacc 390

<210> 1002
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 1002
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
 agccgcaaga accccgcccc cactgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccocactc agcccagtggt ggcccagaag 240
 aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc 360
 cagctgacct tctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480
 cagggctcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
 actgtcgtatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600
 accaccaaga cct 613

<210> 1003
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 1003
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
 agccgcaaga accccgcccc cactgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccocactc agcccagtggt ggcccagaag 240
 aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc 360
 cagctgacct tctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480
 cagggctcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
 actgtcgtatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600
 accaccaaga cctccgcct gcccatcacc gatgtggcc 639

<210> 1004
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 1004
 ccgttattcg tcgtggctca agcccggcca cgccgccccca agggctcctc ccgacctccc 60
 ggctgcccgc tccggccact gcggg 85

<210> 1005
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 1005
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
 agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240
 aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc 360
 cagctgacct tccctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480
 cagggctcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
 actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600
 accaccaaga cctcccgcct gcccacatc gatgtg 636

<210> 1006
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 468
 <223> n = A,T,C or G

<400> 1006
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
 agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240
 aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggctccg accctgccga tgtggccatc 360
 cagctgacct tccctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaangc cctgctcctc 480
 cagggctcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
 actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600
 accaccaaga cctcccgcct gcccacatc 629

<210> 1007
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 248, 372
 <223> n = A,T,C or G

<400> 1007
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag ccagaggggc 60
 agccgcaaga accccgcccc caccctgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240
 aactggtncat tcagcaagaa ccccaaggac aagaggcatg tctgggttcgg cgagagcatg 300
 accgatggat tccagttcga gtatggcggc cagggtctcg accctgccga tgtggccatc 360
 cagctgacct tncctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480
 cagggtctca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
 actgtcgatg gctgcacgag tcacaccgga gcctg 575

<210> 1008
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 1008
 cgatggagcg tgggtaggga ggggtccacag tgtccactcg ccgtgtgcga aggttgactc 60
 gg 62

<210> 1009
 <211> 180
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 154
 <223> n = A,T,C or G

<400> 1009
 gagctgatgc gggaaccggg ccactcgtg taggagcggc tgctgaaggc ccggggggcca 60
 gaggtggaca ccttgttaga cttctgggtc accctgatgg acatggtaga ggcaggagtg 120
 gaggcaggcg ggccgaacca ggcggagatc ctanaaggag cggaggtcga cgcggccgcg 180

<210> 1010
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 1010
 gaggcggcac aggtcacgca tggccagcac ggcagccatg gcgctgcgct cgctcatggt 60
 tctcgccagg taggtctggg ccaggttctt gagtttgaag ctgctggccc cgggcacacg 120
 ctcccggatg agaggcaggg cagccaggaa gcccgagatg gcctcctgg 169

<210> 1011

<211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 78, 79
 <223> n = A,T,C or G

<400> 1011
 gagctgatgc gggaaccggg cccactcgtg taggagcggc tgctgaaggc ccgggggcca 60
 gaggtggaca ctttgtanna cttctgggtc accctgatgg acatggtaga ggctggagtg 120
 gaggcaggcg ggccgaacca ggcggagatc ctagaaggag cggaggtcga 170

<210> 1012
 <211> 344
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 231, 235, 238, 245, 246, 251, 255, 263, 264, 270, 276, 302,
 313, 316, 317, 325
 <223> n = A,T,C or G

<400> 1012
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag ccagaggggc 60
 agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag 120
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
 tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtgg nccanaanaa 240
 ctggnncatc ngcangaacc ccnnggacan gaggcntgtc tggttcggcg agagcatgac 300
 cnatggattc canttinnagt atggnngcca gggctccgac cctg 344

<210> 1013
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 22, 127, 136, 137
 <223> n = A,T,C or G

<400> 1013
 atagaacccc gccgcacct nncgtgacct caagatgtgc cactctgact ggaagagtgg 60
 agagtactgg attgacccca accaaggctg caacctggat gccatcaaag tcttctgcaa 120
 catggnact ggtganncct gcgtgtaccc cactcag 157

<210> 1014
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 1014

<400> 1022

```

gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60
agccgcaaga accccgcccc caccctgccgt gacctcaaga tgtgccactc tgactggaag 120
agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180
tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtggt ggcccagaag 240
aactggtaca tcagcaagaa ccccaaggac aagaggcatg tctgggttcgg cgagagcatg 300
accgatggat tccagttcga gtatggcggc cagggtctcg accctgccga tgtggccatc 360
cagctgacct tctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420
aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480
cagggtcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540
actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600
accaccaaga cctcccgcct gcccatcatc gatgtg                                     636

```

<210> 1023

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1023

```

aggcggagag gatcatgtcc gggaaactgcg gggtagtagc gatctgggtt acccagccgt 60
tgtggccctt gaggttgcca cgaagggtca tctgctcagt catggcggcg gcgagagcgt 120
gtgtcgctgc agcgacgagg atggcacgtc gacgcggccg cg                                     162

```

<210> 1024

<211> 124

<212> DNA

<213> Homo sapiens

<400> 1024

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tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gccgagcagg aggcgccatc 60
atgggagtgg acatccgcc aacaaggac cgaaagggtc ggcgcaagga gcccaagagc 120
cagg                                              124

```

<210> 1025

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 618

<223> n = A,T,C or G

<400> 1025

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gcccccaatt ccagctgcc aaccacccac ggtgactgca ttagttcgga tgtcatacaa 60
aagctgattg aagcaaccct ctactttttg gtgctgagcc ttttgcttgg tgcaggtttc 120
attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt 180
gaagtagggg gagtctctaa aatccgtata gttggtgaag ccacagcact tgagcccttt 240
catggtggtg ttccacactt gagtgaagtc ttctgggaa ccataatctt tcttgatggc 300
aggcactacc agcaacgtca ggaagtgtc agccattgtg gtgtacacca aggcgaccac 360
agcagctgca acctcagcaa tgaagatgag gaggaggtg aagaagaacg tcacgagggc 420
acacttgctc tcagtcttag caccatagca gcccaggaaa ccaagagcaa agaccacaac 480
gccggtgcg atgaggaagt agcccacgtt gacaaactgc atggcactgg acgacagtgg 540
cccgaagatc ttcagaaagg atgccccatc gattgacacc cagatgccca ctgccaacag 600

```


<400> 1029
gcgttnnatgt agttctttgag cacctcggga atgggcccct cggtcacggc tggcaccgcc 60
tggg 64

<210> 1030
<211> 531
<212> DNA
<213> Homo sapiens

<400> 1030
cctgtcagag tggcactggg agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgcctt acattcggcg ggtatggctt tggcctatgc 180
cttatggggg tggcggttgt gggcgggtgtg gtccgcctaa aaccatgttc ctcaaagatc 240
atttgtttgcc caacactggg ttgctgacca gaagtgccag gaagctgaat accatttcca 300
gtgtcatacc cagggtgggt gacgaaaggg gtcttttgaa ctgtggaagg aacatccaag 360
atctctgggc catgaagatt ggggtgtgga agggttacca gttggggaag ctggtctgtc 420
tttttccttc caatcagggg ctgctcttc tgattattct tcagggaat gacataaatt 480
gtatattcgg ttcccggttc caggccagta atagtagcct ctgtgacacc a 531

<210> 1031
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 443
<223> n = A,T,C or G

<400> 1031
cctgggtggg ggagcgaatg ggccgattcc accggatcct ggagcctggg ttgaacatcc 60
tcacccctgt gttagaccgg atccgatatg tgcagagtct caaggaaatt gtcacaaacg 120
tgccatgagca gtcggctgtg actctcgaca atgtaactct gcaaactgat ggagtccttt 180
acctgcgcac catggacct tacaaggcaa gctacgggtg ggaggacct gagtatgccg 240
tcaccagct agctcaaaca accatgagat cagagctcgg caaactctct ctggacaaag 300
tcttcgggga acgggagtc ctgaatgccg gcatttgtga tgccatcaac caagctgctg 360
actgctgggg tatccgctgc ctccgttatg agatcaagga tatccatgtg ccaccccggg 420
tgaaagagtc tatgcagatg cangtgaggg cagagcggcg gaaacggggc acagttctag 480
agtctgaggg gacccgagag tcggccatca atgtggca 518

<210> 1032
<211> 116
<212> DNA
<213> Homo sapiens

<400> 1032
aaatatttat gtggaattaa ttaaaggtag ttggctatat cgctatcatt tcattctttt 60
gacattatgt gaatatttta ctggaaaata agactaataa attgttaaaa gttttt 116

<210> 1033
<211> 241
<212> DNA

<213> Homo sapiens

<400> 1033

```
caagggtcat gatggcagga gtaatcagag gtgttcttgt gttgtgataa ggggtggagag 60
gttaaaggag ccacttatta gtaatgttga tagtagaatg atggctaggg tgacttcata 120
tgagattgtt tgggctactg ctgcagtgcc gccgatcagg gcgtagtttg agtttgatgc 180
tcaccctgat cagaggattg agtaaaccgc taggctagag gtggctagaa taaataggag 240
g 241
```

<210> 1034

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1034

```
ccacagctgg gcgcttcacc cagtgggtact ttggtgccta ctccattgtg gcgggagctgt 60
ttgtgtgcct gctggagtag ccccggggga agaggaagaa gggctccacc atggagcgct 120
ggggacagaa gcacatgacc gccgtggtga agctgttcgg gccctttacc aggaattact 180
atgttcgggc cgtcctgcat ctctgtctct cgggtgccgc cggcttcctg ctgg 234
```

<210> 1035

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 39, 42, 48, 113, 135, 137, 151, 185, 219, 228, 250, 254,
268, 271, 275, 307, 344, 355, 358, 369, 376, 404, 409, 416,
427

<223> n = A,T,C or G

<400> 1035

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gtacaagctt tttttttttt tttttttttt ttttttttng gntacgggag cactttttatt 60
tttccttaca caatgacgtg ttgctggggc ctaatgttct cacataacag tanaaaacca 120
aaatttggtt tcatntnttc aaagaatcga naattgctga caaaaaaac cttacataaa 180
ttaanaatga atacatttac aggcgtaaat gcaaacgnt tccaactnaa agcaagtaac 240
agccacgggn gttntggcca aagacatnag ntaanaaagg aaactgggtc ctacggcttg 300
gacttttcaa ccctgacaga cccgcaagac aaaacaactg gttnttgcca gcctntanag 360
aatcccaana acactnagcc ctgacacgtt aataccctgc acanatcana ggctgntggc 420
cacacanact cacc 434
```

<210> 1036

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1036

```
aaagccatgg gaaccagat caccagatcc ggagcctgac tctagcccct gagccacctg 60
ttgccctaac accctgtctg actctctccc gctgcagcag ccagtccttc ctgcactcca 120
gcaactccag ccatcagtc tcttcagat ccttggaag tccagccaac tcttctcca 180
gcctccacag ccttggtca gtgtccctgt gtacaagacc cagtgaattc caggctccca 240
gaaacccac cctaaccatg ggccaacca gaacaccca ctctccacca ctgg 294
```


<210> 1037
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 55, 56, 64, 65, 258, 314, 513
 <223> n = A,T,C or G

<400> 1037
 aaagatatga acagcttaat tttccgtgtg attatctaata taaaaaagaa aaacnnaaca 60
 agcnaaatgt tcaagttaaa aaaaaaacat accgggtgag caatgcacta aaattatcca 120
 catgaaaaca aatgggtctgt aatcttataa accaacatag catttcaactg tcaacaatgt 180
 gaaaatttaa tatctttctca aacaggcata agatgaagaa gtgctatattt ttaattgtaa 240
 aaggaaactta tgtaatgnta aaattacatt ataatttttc attccgaatt gacaaatgat 300
 ttcaaaaaca aggnatcaaa gtttgactgc aatagtaaat gcaatataat ttcataaaaa 360
 tccttcaatt tctatttttt tccttttctg tagttgacat atgaagacca cttcaatttc 420
 taaaaaaggg aaccattcca attttccctc cccaagaaaa tgtctcaca ttacaaagta 480
 gaaaaacagc cgttcataaa atgcaaaaaa aanttctgat tttatacatg aaataatttc 540
 tagatca 547

<210> 1038
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1038
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 gaatagtgtg tgtagcgaca ctagtgaag cagtgtctgt gaatttgatg ataggcgggg 180
 agttttgagg agtatcagct gcgaagaagc cacttgcagt gacaccagtg agagcatttt 240
 ggaagaggaa ccacaagaaa atcaaaaagaa acttttgccc ttatcagtaa cacctgaggc 300
 tttttctgga actgttatag aaaaagaatt tgtatcacct tccttaacac cccccccagc 360
 cattgctcat cccgcactac ccactattcc agaacgaaag gaagttctgt tggaagcacc 420
 tgaagaaact ggaaagaggg tttcaaagtt t 451

<210> 1039
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 1039
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 aagcctcttt ttacctgctt gacaggtaat ttctgtaatt gggtgtgatt gaatttgata 180
 gggtagagaa ttaaatgagg gaagctgtgt ataacttcta gtaagagcta ttatatgact 240
 gattacatta acatcatatg gaaaaaaatt gtcaaaaagta ctccgggaaa gcccttaaat 300
 agttggtaaa gtacagaaca catgattgtc aatatatgta aatacaggat gagctaggac 360
 agagggggccc ttctttcaca ccacttaaat tagttccac tttaaccttg tttgagattg 420
 acttctggag agttaaatgc agatagactt aactctccta agtcagggtga gactgagagc 480
 tgactgctac aataattacg gagcccaaat gcagtaaaac agcctgtttt tca 533

<210> 1040

aggaacatgg ttttaggcgg accacaccgg cccacaacgg ncacccccat aaaggcatag 480
gccaaagacc ataccgcgcg aatgtaggac aagaaagct 519

<210> 1043
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1043
ccatgacagc agctactgct tcacatagca gcatacgcca catgttcacc ttcaatattt 60
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ttgccagctc atatatataa tcacagagag tgtggagaaa taagtcatct aaaatctttt 180
gcagaatctc aggggaaccgt aaaatgcacc ggccatagttt ccatttcctt tcatgatcca 240
aaagaatctt ggtttctcga gcagcttttt ggagcatttc ttcataata ttgg 294

<210> 1044
<211> 384
<212> DNA
<213> Homo sapiens

<400> 1044
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gtccctggat ctctcaatg gtgtgcacaa tgaagggtgc ctgcagggtcc tccatggccc 120
cctccatcca gttgttgaag ggtgcagccc gcttggcata ctccaagtac agctggtcaa 180
tgggtctccag cagtttctcg gtccgctcca gagcttccct tcgcttctga gttagggccc 240
ccagattgtc ccaactggtca cagatctttt ggcaacgggc gttgacactg ggtgagtcac 300
aatagtcacg ctcatcgagc tcctgtgcga tggcggcaat ctgctccaca cggtcctggt 360
gggcagccag gtcactctcg aagg 384

<210> 1045
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 118, 119
<223> n = A,T,C or G

<400> 1045
aaaactaatg ttacaaatct gtattatcac ttgtatataa atagtatata gctgatcatt 60
aataagggtgt ataagtacaa tgtattctaa aactgttaag caaaaaaaaa aaacaaanna 120
aaaatccaag tgtcctcctc caccactcac gctggtgatc actgtgctct ctgccagctg 180
cgtggagtga cgggaggagg gaatcactgt gtgtgcgaga gtgcttcaga ctcaatttcc 240
aaaataattt tccccctct aagcatgtaa atatacaaag atggatcctt catagaaatt 300
aaaaaatcaa tttgagctca tttcgaatac agaacaagta tggcacagat ggaagtccctg 360
ccacgttttc tttaatgatg ctgactcttg tatcacacag gccagcatga agtttcttac 420
tcagacttta caggcatttt ccgtaattca atcagt 456

<210> 1046
<211> 136
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 27, 80, 97, 104
 <223> n = A,T,C or G

<400> 1046
 atnatctgtt tctaaacgaa agctgcngcg gaatgagagt gagccttcag agatgaaagc 60
 catggctctg aaaggtggcn gggcagaagg aacctncgt tcanctaaaa gtgaggagtc 120
 tcttacatct ctccat 136

<210> 1047
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 1047
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 tctccgcatt tatattaaaa attcacacac aaatgaaaat ggaaaaactg ccaatacctg 180
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 ggcgtgctag ctggatgtct tttggcataa ttgttacacg tttggcatgg atagcacaca 420
 ggttgggtgc ttcaaaaagg ccaaccagat agg 453

<210> 1048
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 1048
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 aaaaaatgtt tcttttataa aagcacatgg cggttgaatc ttaaggttaa attttaatat 120
 gaaagatcct catgaattaa atagttgatg caatttttaa cgtaattga tataaaaaaa 180
 aacaacaaaa ttaggcttgt aaaactgact ttttcatta 219

<210> 1049
 <211> 2465
 <212> DNA
 <213> Homo sapiens

<400> 1049
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 gtgggtaaatt agacaacact aacgaatata atagtaatga tggtaagaaa ttaccccagg 180
 gtgaatcacg aagttacgaa gtcatgggaa gtatggaaga aaccttatgc aatatagatg 240
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 aagaggaggt tttaaaagcc tccagagaag aaaaagtgtt gatggatgaa ggagcagtac 420

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ttacctggc agccgacctt tcatcagcaa cactggatat tagtaagcaa tggagtaatg 480
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<210> 1050

<211> 3120

<212> DNA

<213> Homo sapiens

<400> 1050

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cgatgtaaat gtagcaggaa gaaaatttgg aatcaagtta ctaatccctg ttgccgatg 300
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<212> DNA

<213> Homo sapiens

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<212> DNA

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<213> Homo sapiens

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gccgtcactg tggccggggg cggtaaaacg accccacaca aggactgcac cccatctccc 14100
ctctgccagc tcatcaagga cagcctgttt gcccagtgcc acgactggg gcccccgag 14160
cactactacg atgcctgcgt gttcgacagc tgcttcatgc cgggctcgag cctggagtgc 14220
gccagtctgc aggcctacgc agccctctgt gcccagcaga acatctgcct cgactggcgg 14280
aaccacacgc atggggcctg cttgggtggag tgcccatctc acaggggagta ccaggcctgt 14340
ggccctgcag aagagccac gtgcaaatcc agctcctccc agcagaacaa cacagtctgt 14400
gtggaaggct gcttctgtcc tgagggcacc atgaactacg ctcctggctt tgatgtctgc 14460
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gagttcgact gcaagaactg tgtctgcctg gaggtggaag gtggcatcat ctgccaaccc 14580
aagaggtgca gccagaagcc cgttaccac tgctggaag acggcaccta cctcgccacg 14640
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cagacgcact gtatcatcaa acggcccgac aaccagcacg tcatcctgaa gcccggggac 15060
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ctcatctcgt ccgtctccaa catcacctgc cccaactttg atgccagcat ttgcatccc 15180
ggctccatca cattcatgcc caatggatgc tgcaagacct gcaccctcg caatgagacc 15240
aggggtgccct gctccaccgt ccccgctacc acggaggttt cgtacgcgg ctgcaccaag 15300
accgtcctca tgaatcattg ctccgggtcc tgcgggacat ttgtcatgta ctcggccaa 15360
gcccaggccc tggaccacag ctgctcctgc tgcaaagagg agaaaaccag ccagcgtgag 15420
gtggtcctga gctgccccaa tggcggtcgt ctgacacaca cctacacca catcgagagc 15480
tgccagtgcc aggacaccgt ctgcgggctc cccaccggca cctcccgcgg ggcccggcgc 15540
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acagctttac ctccccgga cctctgagc ctctaagct cggcttctc tcttcagata 15660
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<210> 1059
 <211> 440
 <212> PRT
 <213> Homo sapiens

<400> 1059
 Met Val Gly Lys Ile Glu Gly Glu Asn Ser Lys Ile Gly Asp Asp Asn
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 Glu Asn Leu Thr Phe Lys Leu Glu Val Asn Glu Leu Ser Gly Lys Leu
 20 25 30
 Asp Asn Thr Asn Glu Tyr Asn Ser Asn Asp Gly Lys Lys Leu Pro Gln
 35 40 45
 Gly Glu Ser Arg Ser Tyr Glu Val Met Gly Ser Met Glu Glu Thr Leu
 50 55 60

Cys Asn Ile Asp Asp Arg Asp Gly Asn Arg Asn Val His Leu Glu Phe
 65 70 75 80
 Thr Glu Arg Glu Ser Arg Lys Asp Gly Glu Asp Glu Phe Val Lys Glu
 85 90 95
 Met Arg Glu Glu Arg Lys Phe Gln Lys Leu Lys Asn Lys Glu Glu Val
 100 105 110
 Leu Lys Ala Ser Arg Glu Glu Lys Val Leu Met Asp Glu Gly Ala Val
 115 120 125
 Leu Thr Leu Ala Ala Asp Leu Ser Ser Ala Thr Leu Asp Ile Ser Lys
 130 135 140
 Gln Trp Ser Asn Val Phe Asn Ile Leu Arg Glu Asn Asp Phe Glu Pro
 145 150 155 160
 Lys Phe Leu Cys Glu Val Lys Leu Ala Phe Lys Cys Asp Gly Glu Ile
 165 170 175
 Lys Thr Phe Ser Asp Leu Gln Ser Leu Arg Lys Phe Ala Ser Gln Lys
 180 185 190
 Ser Ser Met Lys Glu Leu Leu Lys Asp Val Leu Pro Gln Lys Glu Glu
 195 200 205
 Ile Asn Gln Gly Gly Arg Lys Tyr Gly Ile Gln Glu Lys Arg Asp Lys
 210 215 220
 Thr Leu Ile Asp Ser Lys His Arg Ala Gly Glu Ile Thr Ser Asp Gly
 225 230 235 240
 Leu Ser Phe Leu Phe Leu Lys Glu Val Lys Val Ala Lys Pro Glu Glu
 245 250 255
 Met Lys Asn Leu Glu Thr Gln Glu Glu Glu Phe Ser Glu Leu Glu Glu
 260 265 270
 Leu Asp Glu Glu Ala Ser Gly Met Glu Asp Asp Glu Asp Thr Ser Gly
 275 280 285
 Leu Glu Glu Glu Glu Glu Glu Pro Ser Gly Leu Glu Glu Glu Glu
 290 295 300
 Glu Glu Ala Ser Gly Leu Glu Glu Asp Glu Ala Ser Gly Leu Glu Glu
 305 310 315 320
 Glu Glu Glu Gln Thr Ser Glu Gln Asp Ser Thr Phe Gln Gly His Thr
 325 330 335
 Leu Val Asp Ala Lys His Glu Val Glu Ile Thr Ser Asp Gly Met Glu
 340 345 350

Thr Thr Phe Ile Asp Ser Val Glu Asp Ser Glu Ser Glu Glu Glu Glu
355 360 365

Glu Gly Lys Ser Ser Glu Thr Gly Lys Val Lys Thr Thr Ser Leu Thr
370 375 380

Glu Lys Lys Ala Ser Arg Arg Gln Lys Glu Ile Pro Phe Ser Tyr Leu
385 390 395 400

Val Gly Asp Ser Gly Lys Lys Lys Leu Val Lys His Gln Val Val His
405 410 415

Lys Thr Gln Glu Glu Glu Thr Ala Val Pro Thr Ser Gln Gly Thr
420 425 430

Gly Thr Pro Cys Leu Thr Leu Cys
435 440

<210> 1060

<211> 230

<212> PRT

<213> Homo sapiens

<400> 1060

Met Asn Glu Met Tyr Leu Arg Cys Asp His Glu Asn Gln Tyr Ala Gln
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Trp Met Ala Ala Cys Met Leu Ala Ser Lys Gly Lys Thr Met Ala Asp
20 25 30

Ser Ser Tyr Gln Pro Glu Val Leu Asn Ile Leu Ser Phe Leu Arg Met
35 40 45

Lys Asn Arg Asn Ser Ala Ser Gln Val Ala Ser Ser Leu Glu Asn Met
50 55 60

Asp Met Asn Pro Glu Cys Phe Val Ser Pro Arg Cys Ala Lys Arg His
65 70 75 80

Lys Ser Lys Gln Leu Ala Ala Arg Ile Leu Glu Ala His Gln Asn Val
85 90 95

Ala Gln Met Pro Leu Val Glu Ala Lys Leu Arg Phe Ile Gln Ala Trp
100 105 110

Gln Ser Leu Pro Glu Phe Gly Leu Thr Tyr Tyr Leu Val Arg Phe Lys
115 120 125

Gly Ser Lys Lys Asp Asp Ile Leu Gly Val Ser Tyr Asn Arg Leu Ile
130 135 140

Lys Ile Asp Ala Ala Thr Gly Ile Pro Val Thr Thr Trp Arg Phe Thr

1060-1060

145 150 155 160
 Asn Ile Lys Gln Trp Asn Val Asn Trp Glu Thr Arg Gln Val Val Ile
 165 170 175
 Glu Phe Asp Gln Asn Val Phe Thr Ala Phe Thr Cys Leu Ser Ala Asp
 180 185 190
 Cys Lys Ile Val His Glu Tyr Ile Gly Gly Tyr Ile Phe Leu Ser Thr
 195 200 205
 Arg Ser Lys Asp Gln Asn Glu Thr Leu Asp Glu Asp Leu Phe His Lys
 210 215 220
 Leu Thr Gly Gly Gln Asp
 225 230

 <210> 1061
 <211> 311
 <212> PRT
 <213> Homo sapiens

 <400> 1061
 Met Tyr Val Ser Tyr Leu Leu Asp Lys Asp Val Ser Met Tyr Pro Ser
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 Ser Val Arg His Ser Gly Gly Leu Asn Leu Ala Pro Gln Asn Phe Val
 20 25 30
 Ser Pro Pro Gln Tyr Pro Asp Tyr Gly Gly Tyr His Val Ala Ala Ala
 35 40 45
 Ala Ala Ala Gln Asn Leu Asp Ser Ala Gln Ser Pro Gly Pro Ser Trp
 50 55 60
 Pro Ala Ala Tyr Gly Ala Pro Leu Arg Glu Asp Trp Asn Gly Tyr Ala
 65 70 75 80
 Pro Gly Gly Ala Ala Ala Ala Asn Ala Val Ala His Ala Leu Asn Gly
 85 90 95
 Gly Ser Pro Ala Ala Ala Met Gly Tyr Ser Ser Pro Ala Asp Tyr His
 100 105 110
 Pro His His His Pro His His His Pro His His Pro Ala Ala Ala Pro
 115 120 125
 Ser Cys Ala Ser Gly Leu Leu Gln Thr Leu Asn Pro Gly Pro Pro Gly
 130 135 140
 Pro Ala Ala Thr Ala Ala Ala Glu Gln Leu Ser Pro Gly Gly Gln Arg
 145 150 155 160

Ser Arg Cys Met Leu Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu
85 90 95

<213> Homo sapiens

<400> 1064

Met Ala Tyr Val Pro Ala Pro Gly Tyr Gln Pro Thr Tyr Asn Pro Thr
 5 10 15

Leu Pro Tyr Tyr Gln Pro Ile Pro Gly Gly Leu Asn Val Gly Met Ser
 20 25 30

Val Tyr Ile Gln Gly Val Ala Ser Glu His Met Lys Arg Phe Phe Val
 35 40 45

Asn Phe Val Val Gly Gln Asp Pro Gly Ser Asp Val Ala Phe His Phe
 50 55 60

Asn Pro Arg Phe Asp Gly Trp Asp Lys Val Val Phe Asn Thr Leu Gln
 65 70 75 80

Gly Gly Lys Trp Gly Ser Glu Glu Arg Lys Arg Ser Met Pro Phe Lys
 85 90 95

Lys Gly Ala Ala Phe Glu Leu Val Phe Ile Val Leu Ala Glu His Tyr
 100 105 110

Lys Val Val Val Asn Gly Asn Pro Phe Tyr Glu Tyr Gly His Arg Leu
 115 120 125

Pro Leu Gln Met Val Thr His Leu Gln Val Asp Gly Asp Leu Gln Leu
 130 135 140

Gln Ser Ile Asn Phe Ile Gly Gly Gln Pro Leu Arg Pro Gln Gly Pro
 145 150 155 160

Pro Met Met Pro Pro Tyr Pro Gly Pro Gly His Cys His Gln Gln Leu
 165 170 175

Asn Ser Leu Pro Thr Met Glu Gly Pro Pro Thr Phe Asn Pro Pro Val
 180 185 190

Pro Tyr Phe Gly Arg Leu Gln Gly Gly Leu Thr Ala Arg Arg Thr Ile
 195 200 205

Ile Ile Lys Gly Tyr Val Pro Pro Thr Gly Lys Ser Phe Ala Ile Asn
 210 215 220

Phe Lys Val Gly Ser Ser Gly Asp Ile Ala Leu His Ile Asn Pro Arg
 225 230 235 240

Met Gly Asn Gly Thr Val Val Arg Asn Ser Leu Leu Asn Gly Ser Trp
 245 250 255

Gly Ser Glu Glu Lys Lys Ile Thr His Asn Pro Phe Gly Pro Gly Gln
 260 265 270

TOGETHER

Glu Ser Thr Pro Ser Arg Leu Ser Pro Ser Ser Thr Glu Thr Thr Thr
 770 775 780
 Leu Pro Gly Ser Pro Thr Thr Pro Ser Leu Ser Glu Lys Ser Thr Thr
 785 790 795 800
 Phe Tyr Thr Ser Pro Arg Ser Pro Asp Ala Thr Leu Ser Pro Ala Thr
 805 810 815
 Thr Thr Ser Ser Gly Val Ser Glu Glu Ser Ser Thr Ser His Ser Gln
 820 825 830
 Pro Gly Ser Thr His Thr Thr Ala Phe Pro Asp Ser Thr Thr Thr Ser
 835 840 845
 Gly Leu Ser Gln Glu Pro Lys Thr Ser His Ser Ser Gln Gly Ser Thr
 850 855 860
 Glu Ala Thr Leu Ser Pro Gly Ser Thr Thr Ala Ser Ser Leu Gly Gln
 865 870 875 880
 Gln Ser Thr Thr Phe His Ser Ser Pro Gly Asp Thr Glu Thr Thr Leu
 885 890 895
 Leu Pro Asp Asp Thr Ile Thr Ser Gly Leu Val Glu Ala Ser Thr Pro
 900 905 910
 Thr His Ser Ser Thr Gly Ser Leu His Thr Thr Leu Thr Pro Ala Ser
 915 920 925
 Ser Thr Ser Ala Gly Leu Gln Glu Glu Ser Thr Thr Phe Gln Ser Trp
 930 935 940
 Pro Ser Ser Ser Asp Thr Thr Pro Ser Pro Pro Gly Pro
 945 950 955

 <210> 1066
 <211> 914
 <212> PRT
 <213> Homo sapiens

 <400> 1066
 Met Gly Pro Phe Lys Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu
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 Glu Gly Ala Leu Ser Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr
 20 25 30
 Glu Gly Ile Val Val Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr
 35 40 45
 Leu Ile Gln Gln Ile Lys Asp Met Val Thr Gln Ala Ser Leu Tyr Leu

340	345	350
Ala His Val Gln Ser Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg		
355	360	365
Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser		
370	375	380
Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr		
385	390	395
Pro Thr Asp Gly Ser Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn		
405	410	415
Thr Ile Ser Gly Cys Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile		
420	425	430
His Thr Val Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu		
435	440	445
Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln		
450	455	460
Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly		
465	470	475
Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu		
485	490	495
Gln Asn Ser Gln Trp Met Asn Gly Thr Val Ile Val Asp Ser Thr Val		
500	505	510
Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln		
515	520	525
Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val		
530	535	540
Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys		
545	550	555
Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr		
565	570	575
Leu Thr Val Thr Ser Arg Ala Ser Asn Ala Thr Leu Pro Pro Ile Thr		
580	585	590
Val Thr Ser Lys Thr Asn Lys Asp Thr Ser Lys Phe Pro Ser Pro Leu		
595	600	605
Val Val Tyr Ala Asn Ile Arg Gln Gly Ala Ser Pro Ile Leu Arg Ala		
610	615	620
Ser Val Thr Ala Leu Ile Glu Ser Val Asn Gly Lys Thr Val Thr Leu		

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[illegible]

<210> 1067
 <211> 585
 <212> PRT
 <213> Homo sapiens

<400> 1067

Thr	Leu	Ser	Pro	Ala	Ser	Met	Arg	Ser	Ser	Ser	Ile	Ser	Gly	Glu	Pro
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Thr	Ser	Leu	Tyr	Ser	Gln	Ala	Glu	Ser	Thr	His	Thr	Thr	Ala	Phe	Pro
			20					25					30		
Ala	Ser	Thr	Thr	Thr	Ser	Gly	Leu	Ser	Gln	Glu	Ser	Thr	Thr	Phe	His
			35				40					45			
Ser	Lys	Pro	Gly	Ser	Thr	Glu	Thr	Thr	Leu	Ser	Pro	Gly	Ser	Ile	Thr
	50					55					60				
Thr	Ser	Ser	Phe	Ala	Gln	Glu	Phe	Thr	Thr	Pro	His	Ser	Gln	Pro	Gly
	65				70					75					80
Ser	Ala	Leu	Ser	Thr	Val	Ser	Pro	Ala	Ser	Thr	Thr	Val	Pro	Gly	Leu
				85					90					95	
Ser	Glu	Glu	Ser	Thr	Thr	Phe	Tyr	Ser	Ser	Pro	Gly	Ser	Thr	Glu	Thr
			100					105					110		
Thr	Ala	Phe	Ser	His	Ser	Asn	Thr	Met	Ser	Ile	His	Ser	Gln	Gln	Ser
		115					120					125			
Thr	Pro	Phe	Pro	Asp	Ser	Pro	Gly	Phe	Thr	His	Thr	Val	Leu	Pro	Ala
	130					135					140				
Thr	Leu	Thr	Thr	Thr	Asp	Ile	Gly	Gln	Glu	Ser	Thr	Ala	Phe	His	Ser
145					150					155					160
Ser	Ser	Asp	Ala	Thr	Gly	Thr	Thr	Pro	Leu	Pro	Ala	Arg	Ser	Thr	Ala
				165					170					175	
Ser	Asp	Leu	Val	Gly	Glu	Pro	Thr	Thr	Phe	Tyr	Ile	Ser	Pro	Ser	Pro
		180						185					190		
Thr	Tyr	Thr	Thr	Leu	Phe	Pro	Ala	Ser	Ser	Ser	Thr	Ser	Gly	Leu	Thr
	195						200						205		
Glu	Glu	Ser	Thr	Thr	Phe	His	Thr	Ser	Pro	Ser	Phe	Thr	Ser	Thr	Ile
	210					215					220				
Val	Ser	Thr	Glu	Ser	Leu	Glu	Thr	Leu	Ala	Pro	Gly	Leu	Cys	Gln	Glu
225					230					235					240

1067585PRTHomo sapiens

Gly Gln Ile Trp Asn Gly Lys Gln Cys Val Cys Pro Gln Gly Tyr Val
 245 250 255
 Gly Tyr Gln Cys Leu Ser Pro Leu Glu Ser Phe Pro Val Glu Thr Pro
 260 265 270
 Glu Lys Leu Asn Ala Thr Leu Gly Met Thr Val Lys Val Thr Tyr Arg
 275 280 285
 Asn Phe Thr Glu Lys Met Asn Asp Ala Ser Ser Gln Glu Tyr Gln Asn
 290 295 300
 Phe Ser Thr Leu Phe Lys Asn Arg Met Asp Val Val Leu Lys Gly Asp
 305 310 315 320
 Asn Leu Pro Gln Tyr Arg Gly Val Asn Ile Arg Arg Leu Leu Asn Gly
 325 330 335
 Ser Ile Val Val Lys Asn Asp Val Ile Leu Glu Ala Asp Tyr Thr Leu
 340 345 350
 Glu Tyr Glu Glu Leu Phe Glu Asn Leu Ala Glu Ile Val Lys Ala Lys
 355 360 365
 Ile Met Asn Glu Thr Arg Thr Thr Leu Leu Asp Pro Asp Ser Cys Arg
 370 375 380
 Lys Ala Ile Leu Cys Tyr Ser Glu Glu Asp Thr Phe Val Asp Ser Ser
 385 390 395 400
 Val Thr Pro Gly Phe Asp Phe Gln Glu Gln Cys Thr Gln Lys Ala Ala
 405 410 415
 Glu Gly Tyr Thr Gln Phe Tyr Tyr Val Asp Val Leu Asp Gly Lys Leu
 420 425 430
 Ala Cys Val Asn Lys Cys Thr Lys Gly Thr Lys Ser Gln Met Asn Cys
 435 440 445
 Asn Leu Gly Thr Cys Gln Leu Gln Arg Ser Gly Pro Arg Cys Leu Cys
 450 455 460
 Pro Asn Thr Asn Thr His Trp Tyr Trp Gly Glu Thr Cys Glu Phe Asn
 465 470 475 480
 Ile Ala Lys Ser Leu Val Tyr Gly Ile Val Gly Ala Val Met Ala Val
 485 490 495
 Leu Leu Leu Ala Leu Ile Ile Leu Ile Ile Leu Phe Ser Leu Ser Gln
 500 505 510
 Arg Lys Arg His Arg Glu Gln Tyr Asp Val Pro Gln Glu Trp Arg Lys
 515 520 525

T061E1
 03E200T

Phe Gly Asn Met Gln Lys Ile Asn Gln Pro Asp Val Val Cys Glu Asp
 195 200 205
 Pro Glu Glu Glu Val Ala Pro Ala Ser Cys Ser Glu His Arg Ala Glu
 210 215 220
 Cys Glu Arg Leu Leu Thr Ala Glu Ala Phe Ala Asp Cys Gln Asp Leu
 225 230 235 240
 Val Pro Leu Glu Pro Tyr Leu Arg Ala Cys Gln Gln Asp Arg Cys Arg
 245 250 255
 Cys Pro Gly Gly Asp Thr Cys Val Cys Ser Thr Val Ala Glu Phe Ser
 260 265 270
 Arg Gln Cys Ser His Ala Gly Gly Arg Pro Gly Asn Trp Arg Thr Ala
 275 280 285
 Thr Leu Cys Pro Lys Thr Cys Pro Gly Asn Leu Val Tyr Leu Glu Ser
 290 295 300
 Gly Ser Pro Cys Met Asp Thr Cys Ser His Leu Glu Val Ser Ser Leu
 305 310 315 320
 Cys Glu Glu His Arg Met Asp Gly Cys Phe Cys Pro Glu Gly Thr Val
 325 330 335
 Tyr Asp Asp Ile Gly Asp Ser Gly Cys Val Pro Val Ser Gln Cys His
 340 345 350
 Cys Arg Leu His Gly His Leu Tyr Thr Pro Gly Gln Glu Ile Thr Asn
 355 360 365
 Asp Cys Glu Gln Cys Val Cys Asn Ala Gly Arg Trp Val Cys Lys Asp
 370 375 380
 Leu Pro Cys Pro Gly Thr Cys Ala Leu Glu Gly Gly Ser His Ile Thr
 385 390 395 400
 Thr Phe Asp Gly Lys Thr Tyr Thr Phe His Gly Asp Cys Tyr Tyr Val
 405 410 415
 Leu Ala Lys Gly Asp His Asn Asp Ser Tyr Ala Leu Leu Gly Glu Leu
 420 425 430
 Ala Pro Cys Gly Ser Thr Asp Lys Gln Thr Cys Leu Lys Thr Val Val
 435 440 445
 Leu Leu Ala Asp Lys Lys Lys Asn Ala Val Val Phe Lys Ser Asp Gly
 450 455 460
 Ser Val Leu Leu Asn Gln Leu Gln Val Asn Leu Pro His Val Thr Ala
 465 470 475 480

Ser	Phe	Ser	Val	Phe	Arg	Pro	Ser	Ser	Tyr	His	Ile	Met	Val	Ser	Met
485								490				495			
Ala	Ile	Gly	Val	Arg	Leu	Gln	Val	Gln	Leu	Ala	Pro	Val	Met	Gln	Leu
500								505				510			
Phe	Val	Thr	Leu	Asp	Gln	Ala	Ser	Gln	Gly	Gln	Val	Gln	Gly	Leu	Cys
515								520				525			
Gly	Asn	Phe	Asn	Gly	Leu	Glu	Gly	Asp	Asp	Phe	Lys	Thr	Ala	Ser	Gly
530								535				540			
Leu	Val	Glu	Ala	Thr	Gly	Ala	Gly	Phe	Ala	Asn	Thr	Trp	Lys	Ala	Gln
545								550				555			
Ser	Thr	Cys	His	Asp	Lys	Leu	Asp	Trp	Leu	Asp	Asp	Pro	Cys	Ser	Leu
565								570				575			
Asn	Ile	Glu	Ser	Ala	Asn	Tyr	Ala	Glu	His	Trp	Cys	Ser	Leu	Leu	Lys
580								585				590			
Lys	Thr	Glu	Thr	Pro	Phe	Gly	Arg	Cys	His	Ser	Ala	Val	Asp	Pro	Ala
595								600				605			
Glu	Tyr	Tyr	Lys	Arg	Cys	Lys	Tyr	Asp	Thr	Cys	Asn	Cys	Gln	Asn	Asn
610								615				620			
Glu	Asp	Cys	Leu	Cys	Ala	Ala	Leu	Ser	Ser	Tyr	Ala	Arg	Ala	Cys	Thr
625								630				635			
Ala	Lys	Gly	Val	Met	Leu	Trp	Gly	Trp	Arg	Glu	His	Val	Cys	Asn	Lys
645								650				655			
Asp	Val	Gly	Ser	Cys	Pro	Asn	Ser	Gln	Val	Phe	Leu	Tyr	Asn	Leu	Thr
660								665				670			
Thr	Cys	Gln	Gln	Thr	Cys	Arg	Ser	Leu	Ser	Glu	Ala	Asp	Ser	His	Cys
675								680				685			
Leu	Glu	Gly	Phe	Ala	Pro	Val	Asp	Gly	Cys	Gly	Cys	Pro	Asp	His	Thr
690								695				700			
Phe	Leu	Asp	Glu	Lys	Gly	Arg	Cys	Val	Pro	Leu	Ala	Lys	Cys	Ser	Cys
705								710				715			
Tyr	His	Arg	Gly	Leu	Tyr	Leu	Glu	Ala	Gly	Asp	Val	Val	Val	Arg	Gln
725								730				735			
Glu	Glu	Arg	Cys	Val	Cys	Arg	Asp	Gly	Arg	Leu	His	Cys	Arg	Gln	Ile
740								745				750			
Arg	Leu	Ile	Gly	Gln	Ser	Cys	Thr	Ala	Pro	Lys	Ile	His	Met	Asp	Cys
755								760				765			

Ser	Asn	Leu	Thr	Ala	Leu	Ala	Thr	Ser	Lys	Pro	Arg	Ala	Leu	Ser	Cys
770															
Gln	Thr	Leu	Ala	Ala	Gly	Tyr	Tyr	His	Thr	Glu	Cys	Val	Ser	Gly	Cys
785					790					795					800
Val	Cys	Pro	Asp	Gly	Leu	Met	Asp	Asp	Gly	Arg	Gly	Gly	Cys	Val	Val
				805					810					815	
Glu	Lys	Glu	Cys	Pro	Cys	Val	His	Asn	Asn	Asp	Leu	Tyr	Ser	Ser	Gly
			820					825					830		
Ala	Lys	Ile	Lys	Val	Asp	Cys	Asn	Thr	Cys	Thr	Cys	Lys	Arg	Gly	Arg
		835					840					845			
Trp	Val	Cys	Thr	Gln	Ala	Val	Cys	His	Gly	Thr	Cys	Ser	Ile	Tyr	Gly
850						855						860			
Ser	Gly	His	Tyr	Ile	Thr	Phe	Asp	Gly	Lys	Tyr	Tyr	Asp	Phe	Asp	Gly
865					870					875					880
His	Cys	Ser	Tyr	Val	Ala	Val	Gln	Asp	Tyr	Cys	Gly	Gln	Asn	Ser	Ser
				885					890					895	
Leu	Gly	Ser	Phe	Ser	Ile	Ile	Thr	Glu	Asn	Val	Pro	Cys	Gly	Thr	Thr
			900					905					910		
Gly	Val	Thr	Cys	Ser	Lys	Ala	Ile	Lys	Ile	Phe	Met	Gly	Arg	Thr	Glu
		915					920					925			
Leu	Lys	Leu	Glu	Asp	Lys	His	Arg	Val	Val	Ile	Gln	Arg	Asp	Glu	Gly
930						935					940				
His	His	Val	Ala	Tyr	Thr	Thr	Arg	Glu	Val	Gly	Gln	Tyr	Leu	Val	Val
945					950					955					960
Glu	Ser	Ser	Thr	Gly	Ile	Ile	Val	Ile	Trp	Asp	Lys	Arg	Thr	Thr	Val
				965					970					975	
Phe	Ile	Lys	Leu	Ala	Pro	Ser	Tyr	Lys	Gly	Thr	Val	Cys	Gly	Leu	Cys
			980					985					990		
Gly	Asn	Phe	Asp	His	Arg	Ser	Asn	Asn	Asp	Phe	Thr	Thr	Arg	Asp	His
		995					1000					1005			
Met	Val	Val	Ser	Ser	Glu	Leu	Asp	Phe	Gly	Asn	Ser	Trp	Lys	Glu	Ala
1010						1015					1020				
Pro	Thr	Cys	Pro	Asp	Val	Ser	Thr	Asn	Pro						

Ser Val Phe Ser Ile Cys His Ser Lys Val Asp Pro Lys Pro Phe Tyr
 1060 1065 1070
 Glu Ala Cys Val His Asp Ser Cys Ser Cys Asp Thr Gly Gly Asp Cys
 1075 1080 1085
 Glu Cys Phe Cys Ser Ala Val Ala Ser Tyr Ala Gln Glu Cys Thr Lys
 1090 1095 1100
 Glu Gly Ala Cys Val Phe Trp Arg Thr Pro Asp Leu Cys Pro Ile Phe
 1105 1110 1115 1120
 Cys Asp Tyr Tyr Asn Pro Pro His Glu Cys Glu Trp His Tyr Glu Pro
 1125 1130 1135
 Cys Gly Asn Arg Ser Phe Glu Thr Cys Arg Thr Ile Asn Gly Ile His
 1140 1145 1150
 Ser Asn Ile Ser Val Ser Tyr Leu Glu Gly Cys Tyr Pro Arg Cys Pro
 1155 1160 1165
 Lys Asp Arg Pro Ile Tyr Glu Glu Asp Leu Lys Lys Cys Val Thr Ala
 1170 1175 1180
 Asp Lys Cys Gly Cys Tyr Val Glu Asp Thr His Tyr Pro Pro Gly Ala
 1185 1190 1195 1200
 Ser Val Pro Thr Glu Glu Thr Cys Lys Ser Cys Val Cys Thr Asn Ser
 1205 1210 1215
 Ser Gln Val Val Cys Arg Pro Glu Glu Gly Lys Ile Leu Asn Gln Thr
 1220 1225 1230
 Gln Asp Gly Ala Phe Cys Tyr Trp Glu Ile Cys Gly Pro Asn Gly Thr
 1235 1240 1245
 Val Glu Lys His Phe Asn Ile Cys Ser Ile Thr Thr Arg Pro Ser Thr
 1250 1255 1260
 Leu Thr Thr Phe Thr Thr Ile Thr Leu Pro Thr Thr Pro Thr Ser Phe
 1265 1270 1275 1280
 Thr Thr Thr Thr Thr Thr Thr Thr Pro Thr Ser Ser Thr Val Leu Ser
 1285 1290 1295
 Thr Thr Pro Lys Leu Cys Cys Leu Trp Ser Asp Trp Ile Asn Glu Asp
 1300 1305 1310
 His Pro Ser Ser Gly Ser Asp Asp Gly Asp Arg Glu Pro Phe Asp Gly
 1315 1320 1325
 Val Cys Gly Ala Pro Glu Asp Ile Glu Cys Arg Ser Val Lys Asp Pro
 1330 1335 1340

Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro
 1925 1930 1935
 Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr
 1940 1945 1950
 Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr
 1955 1960 1965
 Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly
 1970 1975 1980
 Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr
 1985 1990 1995 2000
 Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile
 2005 2010 2015
 Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln
 2020 2025 2030
 Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr
 2035 2040 2045
 Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr
 2050 2055 2060
 Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro
 2065 2070 2075 2080
 Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr
 2085 2090 2095
 Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr
 2100 2105 2110
 Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr
 2115 2120 2125
 Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr
 2130 2135 2140
 Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val
 2145 2150 2155 2160
 Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro
 2165 2170 2175
 Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr
 2180 2185 2190
 Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro
 2195 2200 2205

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Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr
 2210 2215 2220
 Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr
 2225 2230 2235 2240
 Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro
 2245 2250 2255
 Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr
 2260 2265 2270
 Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr
 2275 2280 2285
 Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro
 2290 2295 2300
 Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr
 2305 2310 2315 2320
 Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr
 2325 2330 2335
 Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly
 2340 2345 2350
 Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr
 2355 2360 2365
 Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile
 2370 2375 2380
 Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln
 2385 2390 2395 2400
 Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr
 2405 2410 2415
 Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr
 2420 2425 2430
 Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro
 2435 2440 2445
 Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr
 2450 2455 2460
 Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr
 2465 2470 2475 2480
 Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr
 2485 2490 2495

Thr	Pro	Ile		Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr
				2500				2505				2510			
Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val
		2515					2520					2525			
Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro
	2530					2535					2540				
Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr
2545					2550					2555					2560
Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro
				2565					2570					2575	
Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr
			2580				2585						2590		
Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr
		2595					2600					2605			
Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro
	2610					2615					2620				
Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr
2625					2630					2635					2640
Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr
				2645					2650					2655	
Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro
			2660					2665					2670		
Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr
		2675					2680					2685			
Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr
	2690						2695				2700				
Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly
2705					2710					2715					2720
Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr
				2725				2730						2735	
Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile
			2740					2745					2750		
Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln
		2755					2760					2765			
Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr
	2770					2775						2780			

Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr
2785						2790					2795				2800
Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro
				2805					2810					2815	
Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr
			2820					2825					2830		
Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr
		2835					2840					2845			
Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr
	2850					2855					2860				
Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr
2865					2870					2875					2880
Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val
				2885					2890						2895
Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro
			2900					2905					2910		
Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr
		2915					2920					2925			
Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro
	2930					2935					2940				
Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr
2945					2950					2955					2960
Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr
				2965					2970					2975	
Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro
			2980					2985					2990		
Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr
		2995					3000					3005			
Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr
	3010					3015					3020				
Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro
3025					3030					3035					3040
Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr
				3045					3050					3055	
Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr
			3060					3065					3070		

Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly
3075						3080			3085						
Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr
3090						3095			3100						
Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile
3105						3110			3115			3120			
Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln
			3125						3130			3135			
Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr
			3140						3145			3150			
Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr
3155						3160			3165						
Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro
3170						3175			3180						
Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr
3185						3190			3195			3200			
Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr
			3205						3210			3215			
Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr
			3220						3225			3230			
Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr
3235						3240			3245						
Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val
3250						3255			3260						
Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro
3265						3270			3275			3280			
Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr
			3285						3290			3295			
Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro
3300						3305			3310						
Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr
3315						3320			3325						
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3330						3335			3340						
Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro
3345						3350			3355			3360			

Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr
3365 3370 3375

Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr
3380 3385 3390

Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro
3395 3400 3405

Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr
3410 3415 3420

Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr
3425 3430 3435 3440

Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly
3445 3450 3455

Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr
3460 3465 3470

Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile
3475 3480 3485

Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln
3490 3495 3500

Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr
3505 3510 3515 3520

Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr
3525 3530 3535

Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro
3540 3545 3550

Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr
3555 3560 3565

Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr
3570 3575 3580

Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr
3585 3590 3595 3600

Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr
3605 3610 3615

Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val
3620 3625 3630

Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro
3635 3640 3645

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Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr
3650															
Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro
3665						3670				3675					3680
Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr
				3685					3690					3695	
Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr
				3700				3705					3710		
Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro
			3715				3720					3725			
Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr
	3730					3735					3740				
Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr
3745					3750					3755					3760
Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro
				3765					3770					3775	
Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr
			3780					3785					3790		
Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr
		3795					3800					3805			
Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly
	3810					3815					3820				
Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr
3825					3830					3835					3840
Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile
				3845				3850						3855	
Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln
			3860					3865					3870		
Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr
		3875					3880					3885			
Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr
	3890					3895					3900				
Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly				

Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr			
						3940							3945				3950
Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr		
						3955							3960				3965
Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr		
						3970							3975				3980
Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val		
						3985							3990				4000
Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro		
						4005							4010				4015
Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr		
						4020							4025				4030
Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro		
						4035							4040				4045
Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr		
						4050							4055				4060
Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr		
						4065							4070				4080
Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro		
						4085							4090				4095
Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr		
						4100							4105				4110
Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr		
						4115							4120				4125
Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro		
						4130							4135				4140
Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr		
						4145							4150				4160
Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr		
						4165							4170				4175
Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly		
						4180							4185				4190
Thr	Gln	Thr	Gly	Pro	Pro	Thr	His	Thr	Ser	Thr	Ala	Pro	Ile	Ala	Glu		
						4195							4200				4205
Leu	Thr	Thr	Ser	Asn	Pro	Pro	Pro	Glu	Ser	Ser	Thr	Pro	Gln	Thr	Ser		
						4210							4215				4220

Arg	Ser	Thr	Ser	Ser	Pro	Leu	Thr	Glu	Ser	Thr	Thr	Leu	Leu	Ser	Thr
4225					4230					4235					4240
Leu	Pro	Pro	Ala	Ile	Glu	Met	Thr	Ser	Thr	Ala	Pro	Pro	Ser	Thr	Pro
				4245					4250					4255	
Thr	Ala	Pro	Thr	Thr	Thr	Ser	Gly	Gly	His	Thr	Leu	Ser	Pro	Pro	Pro
			4260					4265					4270		
Ser	Thr	Thr	Thr	Ser	Pro	Pro	Gly	Thr	Pro	Thr	Arg	Gly	Thr	Thr	Thr
		4275					4280					4285			
Gly	Ser	Ser	Ser	Ala	Pro	Thr	Pro	Ser	Thr	Val	Gln	Thr	Thr	Thr	Thr
	4290					4295					4300				
Ser	Ala	Trp	Thr	Pro	Thr	Pro	Thr	Pro	Leu	Ser	Thr	Pro	Ser	Ile	Ile
4305					4310					4315					4320
Arg	Thr	Thr	Gly	Leu	Arg	Pro	Tyr	Pro	Ser	Ser	Val	Leu	Ile	Cys	Cys
				4325					4330					4335	
Val	Leu	Asn	Asp	Thr	Tyr	Tyr	Ala	Pro	Gly	Glu	Glu	Val	Tyr	Asn	Gly
			4340					4345					4350		
Thr	Tyr	Gly	Asp	Thr	Cys	Tyr	Phe	Val	Asn	Cys	Ser	Leu	Ser	Cys	Thr
		4355					4360					4365			
Leu	Glu	Phe	Tyr	Asn	Trp	Ser	Cys	Pro	Ser	Thr	Pro	Ser	Pro	Thr	Pro
	4370					4375					4380				
Thr	Pro	Ser	Lys	Ser	Thr	Pro	Thr	Pro	Ser	Lys	Pro	Ser	Ser	Thr	Pro
4385					4390					4395					4400
Ser	Lys	Pro	Thr	Pro	Gly	Thr	Lys	Pro	Pro	Glu	Cys	Pro	Asp	Phe	Asp
				4405					4410					4415	
Pro	Pro	Arg	Gln	Glu	Asn	Glu	Thr	Trp	Trp	Leu	Cys	Asp	Cys	Phe	Met
			4420					4425					4430		
Ala	Thr	Cys	Lys	Tyr	Asn	Asn	Thr	Val	Glu	Ile	Val	Lys	Val	Glu	Cys
		4435					4440					4445			
Glu	Pro	Pro	Pro	Met	Pro	Thr	Cys	Ser	Asn	Gly	Leu	Gln	Pro	Val	Arg
	4450					4455					4460				
Val	Glu	Asp	Pro	Asp	Gly	Cys	Cys	Trp	His	Trp	Glu	Cys	Asp	Cys	Tyr
4465					4470					4475					4480
Cys	Thr	Gly	Trp	Gly	Asp	Pro	His	Tyr	Val	Thr	Phe	Asp	Gly	Leu	Tyr
				4485					4490					4495	
Tyr	Ser	Tyr	Gln	Gly	Asn	Cys	Thr	Tyr	Val	Leu	Val	Glu	Glu	Ile	Ser
			4500					4505					4510		

Pro Ser Val Asp Asn Phe Gly Val Tyr Ile Asp Asn Tyr His Cys Asp
4515 4520 4525

Pro Asn Asp Lys Val Ser Cys Pro Arg Thr Leu Ile Val Arg His Glu
4530 4535 4540

Thr Gln Glu Val Leu Ile Lys Thr Val His Met Met Pro Met Gln Val
4545 4550 4555 4560

Gln Val Gln Val Asn Arg Gln Ala Val Ala Leu Pro Tyr Lys Lys Tyr
4565 4570 4575

Gly Leu Glu Val Tyr Gln Ser Gly Ile Asn Tyr Val Val Asp Ile Pro
4580 4585 4590

Glu Leu Gly Val Leu Val Ser Tyr Asn Gly Leu Ser Phe Ser Val Arg
4595 4600 4605

Leu Pro Tyr His Arg Phe Gly Asn Asn Thr Lys Gly Gln Cys Gly Thr
4610 4615 4620

Cys Thr Asn Thr Thr Ser Asp Asp Cys Ile Leu Pro Ser Gly Glu Ile
4625 4630 4635 4640

Val Ser Asn Cys Glu Ala Ala Ala Asp Gln Trp Leu Val Asn Asp Pro
4645 4650 4655

Ser Lys Pro His Cys Pro His Ser Ser Ser Thr Thr Lys Arg Pro Ala
4660 4665 4670

Val Thr Val Pro Gly Gly Gly Lys Thr Thr Pro His Lys Asp Cys Thr
4675 4680 4685

Pro Ser Pro Leu Cys Gln Leu Ile Lys Asp Ser Leu Phe Ala Gln Cys
4690 4695 4700

His Ala Leu Val Pro Pro Gln His Tyr Tyr Asp Ala Cys Val Phe Asp
4705 4710 4715 4720

Ser Cys Phe Met Pro Gly Ser Ser Leu Glu Cys Ala Ser Leu Gln Ala
4725 4730 4735

Tyr Ala Ala Leu Cys Ala Gln Gln Asn Ile Cys Leu Asp Trp Arg Asn
4740 4745 4750

His Thr His Gly Ala Cys Leu Val Glu Cys Pro Ser His Arg Glu Tyr
4755 4760 4765

Gln Ala Cys Gly Pro Ala Glu Glu Pro Thr Cys Lys Ser Ser Ser Ser
4770 4775 4780

Gln Gln Asn Asn Thr Val Leu Val Glu Gly Cys Phe Cys Pro Glu Gly
4785 4790 4795 4800

Cys Thr Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys Gly Thr
5090 5095 5100

Phe Val Met Tyr Ser Ala Lys Ala Gln Ala Leu Asp His Ser Cys Ser
5105 5110 5115 5120

Cys Cys Lys Glu Glu Lys Thr Ser Gln Arg Glu Val Val Leu Ser Cys
5125 5130 5135

Pro Asn Gly Gly Ser Leu Thr His Thr Tyr Thr His Ile Glu Ser Cys
5140 5145 5150

Gln Cys Gln Asp Thr Val Cys Gly Leu Pro Thr Gly Thr Ser Arg Arg
5155 5160 5165

Ala Arg Arg Ser Pro Arg His Leu Gly Ser Gly
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<210> 1069

<211> 1173

<212> DNA

<213> Homo sapiens

<400> 1069

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<210> 1070

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1070

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 20 25 30
 Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
 35 40 45
 Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly
 50 55 60
 Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala
 65 70 75 80
 Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu
 85 90 95
 His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met
 100 105 110
 Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
 115 120 125
 Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
 130 135 140
 Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
 145 150 155

<210> 1071
 <211> 1114
 <212> DNA
 <213> Homo sapiens

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 gaagcatgcg gctgctccta ttgctgagct gcctggccaa aacaggagtc ctgggtgata 180
 tcatcatgag acccagctgt gctcctggat ggttttacca caagtccaat tgctatgggt 240
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 gtggctatca gagaagccag ccgatatgga ttggcctgca cgacccacag aagaggcagc 420
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 gtgggaacaa gcactgtgct gagatgagct ccaataacaa ctttttaact tggagcagca 540
 acgaatgcaa caagcgccaa cacttcctgt gcaagtaccg accatagagc aagaatcaag 600
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 tgtttgcccc gccatccctt tccacagtat ccttcttccc tctcccctg tctctggctg 840
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gaagcatgcg gctgctccta ttgctgagct gcctggccaa aacaggagtc ctgggtgata 180
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 gcttctacac ccttctgccc tctctccatt gcctgcaccc caccacagcc actcaactcc 1020
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 gggccataca ttcttttaac aaaccattgt gtac 1114

<210> 1075

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1075

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 cagggttaga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 180
 gccaaaacag gagtccctggg tgatatcatc atgagaccca gctgtgctcc tggatgggtt 240
 taccacaagt ccaattgcta tggttacttc aggaagctga ggaactgggc tgatgccgag 300
 ctcgagtgtc agtcttacgg aaacggagcc cacctggcat ctatcctgag tttaaaggaa 360
 gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 420
 ctgcacgacc cacagaagag gcagcagtggt cagtggattg atggggccat gtatctgtac 480
 agatcctggg ctggcaagtc catgggtggg aacaagcact gtgctgagat gagtccaat 540
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 taccgacat agag 614

<210> 1076

<211> 3345

<212> DNA

<213> Homo sapiens

<400> 1076

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 cttcttatgc tttatttggc aactggatat ggccaagagg ggaagtttag tggaccctg 180
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 aaggccaatc ctctgtctgt gacttttgaa ctaactgggg agacagacaa catatttgtg 300
 atagaacggg agggacttct gtattacaac agagccttgg acagggaac aagatctact 360
 cacaatctcc aggttgcagc cctggacgct aatggaatta tagtggaggg tccagtcct 420
 atcaccatag aagtgaagga catcaacgac aatcgaccca cgtttctcca gtcaaagtac 480
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 gacctggatg atccggccac tcccaatggc cagctttatt accagattgt catccagctt 600
 cccatgatca acaatgtcat gtactttcag atcaacaaca aaacgggagc catctctctt 660
 acccgagagg gatctcagga attgaatcct gctaagaatc cttcctataa tctggtgatc 720

Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
115 120 125

Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
130 135 140

Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
145 150 155

<210> 1079

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1079

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Lys Thr Gly Val Leu Gly Asp Ile Ile Met Arg Pro Ser Cys Ala Pro
20 25 30

Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
35 40 45

Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly
50 55 60

Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala
65 70 75 80

Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu
85 90 95

His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met
100 105 110

Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
115 120 125

Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
130 135 140

Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
145 150 155

<210> 1080

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1080

1080-1080


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<210> 1081
<211> 832
<212> PRT
<213> Homo sapiens

<400> 1081
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Leu Ala Thr Gly Tyr Gly Gln Glu Gly Lys Phe Ser Gly Pro Leu Lys
      20                      25                      30

Pro Met Thr Phe Ser Ile Tyr Glu Gly Gln Glu Pro Ser Gln Ile Ile
      35                      40                      45

Phe Gln Phe Lys Ala Asn Pro Pro Ala Val Thr Phe Glu Leu Thr Gly
      50                      55                      60

Glu Thr Asp Asn Ile Phe Val Ile Glu Arg Glu Gly Leu Leu Tyr Tyr
      65                      70                      75                      80

Asn Arg Ala Leu Asp Arg Glu Thr Arg Ser Thr His Asn Leu Gln Val
      85                      90                      95

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Ala Ala Leu Asp Ala Asn Gly Ile Ile Val Glu Gly Pro Val Pro Ile
 100 105 110
 Thr Ile Glu Val Lys Asp Ile Asn Asp Asn Arg Pro Thr Phe Leu Gln
 115 120 125
 Ser Lys Tyr Glu Gly Ser Val Arg Gln Asn Ser Arg Pro Gly Lys Pro
 130 135 140
 Phe Leu Tyr Val Asn Ala Thr Asp Leu Asp Asp Pro Ala Thr Pro Asn
 145 150 155 160
 Gly Gln Leu Tyr Tyr Gln Ile Val Ile Gln Leu Pro Met Ile Asn Asn
 165 170 175
 Val Met Tyr Phe Gln Ile Asn Asn Lys Thr Gly Ala Ile Ser Leu Thr
 180 185 190
 Arg Glu Gly Ser Gln Glu Leu Asn Pro Ala Lys Asn Pro Ser Tyr Asn
 195 200 205
 Leu Val Ile Ser Val Lys Asp Met Gly Gly Gln Ser Glu Asn Ser Phe
 210 215 220
 Ser Asp Thr Thr Ser Val Asp Ile Ile Val Thr Glu Asn Ile Trp Lys
 225 230 235 240
 Ala Pro Lys Pro Val Glu Met Val Glu Asn Ser Thr Asp Pro His Pro
 245 250 255
 Ile Lys Ile Thr Gln Val Arg Trp Asn Asp Pro Gly Ala Gln Tyr Ser
 260 265 270
 Leu Val Asp Lys Glu Lys Leu Pro Arg Phe Pro Phe Ser Ile Asp Gln
 275 280 285
 Glu Gly Asp Ile Tyr Val Thr Gln Pro Leu Asp Arg Glu Glu Lys Asp
 290 295 300
 Ala Tyr Val Phe Tyr Ala Val Ala Lys Asp Glu Tyr Gly Lys Pro Leu
 305 310 315 320
 Ser Tyr Pro Leu Glu Ile His Val Lys Val Lys Asp Ile Asn Asp Asn
 325 330 335
 Pro Pro Thr Cys Pro Ser Pro Val Thr Val Phe Glu Val Gln Glu Asn
 340 345 350
 Glu Arg Leu Gly Asn Ser Ile Gly Thr Leu Thr Ala His Asp Arg Asp
 355 360 365
 Glu Glu Asn Thr Ala Asn Ser Phe Leu Asn Tyr Arg Ile Val Glu Gln
 370 375 380

Thr Pro Lys Leu Pro Met Asp Gly Leu Phe Leu Ile Gln Thr Tyr Ala
 385 390 395 400
 Gly Met Leu Gln Leu Ala Lys Gln Ser Leu Lys Lys Gln Asp Thr Pro
 405 410 415
 Gln Tyr Asn Leu Thr Ile Glu Val Ser Asp Lys Asp Phe Lys Thr Leu
 420 425 430
 Cys Phe Val Gln Ile Asn Val Ile Asp Ile Asn Asp Gln Ile Pro Ile
 435 440 445
 Phe Glu Lys Ser Asp Tyr Gly Asn Leu Thr Leu Ala Glu Asp Thr Asn
 450 455 460
 Ile Gly Ser Thr Ile Leu Thr Ile Gln Ala Thr Asp Ala Asp Glu Pro
 465 470 475 480
 Phe Thr Gly Ser Ser Lys Ile Leu Tyr His Ile Ile Lys Gly Asp Ser
 485 490 495
 Glu Gly Arg Leu Gly Val Asp Thr Asp Pro His Thr Asn Thr Gly Tyr
 500 505 510
 Val Ile Ile Lys Lys Pro Leu Asp Phe Glu Thr Ala Ala Val Ser Asn
 515 520 525
 Ile Val Phe Lys Ala Glu Asn Pro Glu Pro Leu Val Phe Gly Val Lys
 530 535 540
 Tyr Asn Ala Ser Ser Phe Ala Lys Phe Thr Leu Ile Val Thr Asp Val
 545 550 555 560
 Asn Glu Ala Pro Gln Phe Ser Gln His Val Phe Gln Ala Lys Val Ser
 565 570 575
 Glu Asp Val Ala Ile Gly Thr Lys Val Gly Asn Val Thr Ala Lys Asp
 580 585 590
 Pro Glu Gly Leu Asp Ile Ser Tyr Ser Leu Arg Gly Asp Thr Arg Gly
 595 600 605
 Trp Leu Lys Ile Asp His Val Thr Gly Glu Ile Phe Ser Val Ala Pro
 610 615 620
 Leu Asp Arg Glu Ala Gly Ser Pro Tyr Arg Val Gln Val Val Ala Thr
 625 630 635 640
 Glu Val Gly Gly Ser Ser Leu Ser Ser Val Ser Glu Phe His Leu Ile
 645 650 655
 Leu Met Asp Val Asn Asp Asn Pro Pro Arg Leu Ala Lys Asp Tyr Thr
 660 665 670

Asn Met Asp Cys Pro Leu Asn Phe Asp Cys Pro Lys Asn Leu Phe Leu
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Ile Tyr Asn Met Leu Pro Asp Lys Val Thr Leu Asp Val Pro Ala Glu

30

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<211> 344
<212> PRT
<213> Homo sapiens
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<400> 1085															
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			20					25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
		35					40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
	50					55				60					
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
65					70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Ile	Trp	Val	Arg	Val	Ser	Asn
	130					135					140				

Asp Ser Gln Ala Ile Phe Gly Ser Glu Asp Val Gly Ser Ser Ser Tyr
 145 150 155 160
 Val Ala Val Asp Ile Leu Ile Ala Val Gly Ala Ile Ile Met Ile Leu
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 Gly Phe Leu Gly Cys Cys Gly Ala Ile Lys Glu Ser Arg Cys Met Leu
 180 185 190
 Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu Leu Leu Gln Val Ala
 195 200 205
 Thr Gly Ile Leu Gly Ala Val Phe Lys Ser Lys Ser Asp Arg Ile Val
 210 215 220
 Asn Glu Thr Leu Tyr Glu Asn Thr Lys Leu Leu Ser Ala Thr Gly Glu
 225 230 235 240
 Ser Glu Lys Gln Phe Gln Glu Ala Ile Ile Val Phe Gln Glu Glu Phe
 245 250 255
 Lys Cys Cys Gly Leu Val Asn Gly Ala Ala Asp Trp Gly Asn Asn Phe
 260 265 270
 Gln His Tyr Pro Glu Leu Cys Ala Cys Leu Asp Lys Gln Arg Pro Cys
 275 280 285
 Gln Ser Tyr Asn Gly Lys Gln Val Tyr Lys Glu Thr Cys Ile Ser Phe
 290 295 300
 Ile Lys Asp Phe Leu Ala Lys Asn Leu Ile Ile Val Ile Gly Ile Ser
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 325 330 335
 Leu Tyr Cys Gln Ile Gly Asn Lys
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<210> 1086
 <211> 2877
 <212> DNA
 <213> Homo sapiens

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<212> PRT

<213> Homo sapiens

<400> 1087

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<213> Homo sapiens

<400> 1094

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Tyr Ala Asp Gly Val Tyr Gln Ala Leu Glu Glu Pro Gln Leu Pro Asn
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Pro Arg Arg Leu Ser Asn Ala Ala Thr Arg Gly Ile Ala Gly Leu Pro
          85          90          95
Ser Leu His Asn Arg Thr Val Leu Gly Val Phe Phe Gly Tyr His Val
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Asp Ala Leu Arg Ser Phe Ser Gly Gly Gln Leu Ala Ser Gly Pro Asp
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<211> 1109

<212> DNA

<213> Homo sapiens

<400> 1096

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<211> 3459

<212> DNA

<213> Homo sapiens

<400> 1097

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<211> 875

<212> DNA

<213> Homo sapiens

<400> 1098

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875

<210> 1099

<211> 1987

<212> DNA

<213> Homo sapiens

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<210> 1100

<211> 401

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 840

<212> PRT

<213> Homo sapiens

<400> 1102

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Gln Gly Phe Lys Arg Phe His Gly Arg Ala Phe Ser Asp Pro Phe Val
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Glu Ala Glu Lys Ser Asn Leu Ala Tyr Asp Ile Val Gln Leu Pro Thr
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Gly Leu Thr Gly Ile Lys Val Thr Tyr Met Glu Glu Glu Arg Asn Phe
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Thr Thr Glu Gln Val Thr Ala Met Leu Leu Ser Lys Leu Lys Glu Thr
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Ala Glu Ser Val Leu Lys Lys Pro Val Val Asp Cys Val Val Ser Val
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Pro Cys Phe Tyr Thr Asp Ala Glu Arg Arg Ser Val Met Asp Ala Thr
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Gln Ile Ala Gly Leu Asn Cys Leu Arg Leu Met Asn Glu Thr Thr Ala
            165             170             175

Val Ala Leu Ala Tyr Gly Ile Tyr Lys Gln Asp Leu Pro Ala Leu Glu
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Glu Lys Pro Arg Asn Val Val Phe Val Asp Met Gly His Ser Ala Tyr
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Gln Val Ser Val Cys Ala Phe Asn Arg Gly Lys Leu Lys Val Leu Ala
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10052001

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 Val Asn His Phe Cys Glu Glu Phe Gly Lys Lys Tyr Lys Leu Asp Ile
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 Lys Ser Lys Ile Arg Ala Leu Leu Arg Leu Ser Gln Glu Cys Glu Lys
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 Leu Lys Lys Leu Met Ser Ala Asn Ala Ser Asp Leu Pro Leu Ser Ile
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 Glu Cys Phe Met Asn Asp Val Asp Val Ser Gly Thr Met Asn Arg Gly
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 Lys Phe Leu Glu Met Cys Asn Asp Leu Leu Ala Arg Val Glu Pro Pro
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 Asp Glu Ala Val Thr Arg Gly Cys Ala Leu Gln Cys Ala Ile Leu Ser
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 Pro Ile Ser Leu Arg Trp Asn Ser Pro Ala Glu Glu Gly Ser Ser Asp
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 Cys Glu Val Phe Ser Lys Asn His Ala Ala Pro Phe Ser Lys Val Leu
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 Thr Phe Tyr Arg Lys Glu Pro Phe Thr Leu Glu Ala Tyr Tyr Ser Ser
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 Pro Gln Asp Leu Pro Tyr Pro Asp Pro Ala Ile Ala Gln Phe Ser Val
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 Gln Lys Val Thr Pro Gln Ser Asp Gly Ser Ser Ser Lys Val Lys Val
 465 470 475 480
 Lys Val Arg Val Asn Val His Gly Ile Phe Ser Val Ser Ser Ala Ser
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Lys	Pro	Lys	Pro	Lys	Val	Glu	Pro	Pro	Lys	Glu	Glu	Gln	Lys	Asn	Ala
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Glu Gln Asn Gly Pro Val Asp Gly Gln Gly Asp Asn Pro Gly Pro Gln
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Lys Leu Pro Glu Met Asp Ile Asp
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<210> 1103

<211> 2326

<212> DNA

<213> Homo sapiens

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<210> 1104
<211> 1484
<212> DNA
<213> Homo sapiens

<400> 1104
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<210> 1105
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<212> DNA
<213> Homo sapiens

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 <211> 1528
 <212> DNA
 <213> Homo sapiens

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<210> 1107

<213> Homo sapiens

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35 40 45

Leu Phe Ser Asp Ile Leu Ser Gly Leu Pro Phe Ile Gly Phe Phe Trp
65 70 75 80

Ala Lys Ser Pro Pro Glu Ser Glu Asn Lys Glu Gln Leu Glu Ala Arg
85 90 95

Arg Arg Arg Lys Gly Thr Asn Ile Ser Glu Thr Ser Leu Ile Gly Thr
100 105 110

Ala Ala Cys Thr Ser Thr Ser Ser Gln Asn Asp Pro Glu Val Ile Ile
115 120 125

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Val Gly Ala Gly Val Leu Gly Ser Ala Leu Ala Ala Val Leu Ser Arg
      130                      135                      140
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Asp Gly Arg Lys Val Thr Val Ile Glu Arg Asp Leu Lys Glu Pro Asp
145 150 155 160

Arg Ile Val Gly Glu Phe Leu Gln Pro Gly Gly Tyr His Val Leu Lys
165 170 175

Asp Leu Gly Leu Gly Asp Thr Val Glu Gly Leu Asp Ala Gln Val Val
180 185 190

Asn Gly Tyr Met Ile His Asp Gln Glu Ser Lys Ser Glu Val Gln Ile
195 200 205

Pro Tyr Pro Leu Ser Glu Asn Asn Gln Val Gln Ser Gly Arg Ala Phe
210 215 220

His His Gly Arg Phe Ile Met Ser Leu Arg Lys Ala Ala Met Ala Glu
225 230 235 240

Pro Asn Ala Lys Phe Ile Glu Gly Val Val Leu Gln Leu Leu Glu Glu
245 250 255

Asp Asp Val Val Met Gly Val Gln Tyr Lys Asp Lys Glu Thr Gly Asp

260	265	270
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Ser Lys Phe Arg Lys Ser Leu Val Ser Asn Lys Val Ser Val Ser Ser 290 295 300		
His Phe Val Gly Phe Leu Met Lys Asn Ala Pro Gln Phe Lys Ala Asn 305 310 315 320		
His Ala Glu Leu Ile Leu Ala Asn Pro Ser Pro Val Leu Ile Tyr Gln 325 330 335		
Ile Ser Ser Ser Glu Thr Arg Val Leu Val Asp Ile Arg Gly Glu Met 340 345 350		
Pro Arg Asn Leu Arg Glu Tyr Met Val Glu Lys Ile Tyr Pro Gln Ile 355 360 365		
Pro Asp His Leu Lys Glu Pro Phe Leu Glu Ala Thr Asp Asn Ser His 370 375 380		
Leu Arg Phe Met Pro Ala Ser Phe Leu Pro Pro Ser Ser Val Lys Lys 385 390 395 400		
Arg Gly Val Leu Leu Leu Gly Asp Ala Tyr Asn Met Arg His Pro Leu 405 410 415		
Thr Gly Gly Gly Met Thr Val Ala Phe Lys Asp Ile Lys Leu Trp Arg 420 425 430		
Lys Leu Leu Lys Gly Ile Pro Asp Leu Tyr Asp Asp Ala Ala Ile Phe 435 440 445		
Glu Ala Lys Lys Ser Phe Tyr Trp Ala Arg Lys Thr Ser His Ser Phe 450 455 460		
Val Val Asn Ile Leu Ala Gln Ala Leu Tyr Glu Leu Phe Ser Ala Thr 465 470 475 480		
Asp Asp Ser Leu His Gln Leu Arg Lys Ala Cys Phe Leu Tyr Phe Lys 485 490 495		
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<211> 371
<212> PRT
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<400> 1109

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Ala Thr Phe Gly Ala Asp Asp Leu Val Leu Thr Leu Ser Asn Pro Gln
35 40 45

Met Ser Leu Glu Gly Thr Glu Lys Ala Ser Trp Leu Gly Glu Gln Pro
50 55 60

Gln Phe Trp Ser Lys Thr Gln Val Leu Asp Trp Ile Ser Tyr Gln Val
65 70 75 80

Glu Lys Asn Lys Tyr Asp Ala Ser Ala Ile Asp Phe Ser Arg Cys Asp
85 90 95

Met Asp Gly Ala Thr Leu Cys Asn Cys Ala Leu Glu Glu Leu Arg Leu
100 105 110

Val Phe Gly Pro Leu Gly Asp Gln Leu His Ala Gln Leu Arg Asp Leu
115 120 125

Thr Ser Ser Ser Ser Asp Glu Leu Ser Trp Ile Ile Glu Leu Leu Glu
130 135 140

Lys Asp Gly Met Ala Phe Gln Glu Ala Leu Asp Pro Gly Pro Phe Asp
145 150 155 160

Gln Gly Ser Pro Phe Ala Gln Glu Leu Leu Asp Asp Gly Gln Gln Ala
165 170 175

Ser Pro Tyr His Pro Gly Ser Cys Gly Ala Gly Ala Pro Ser Pro Gly
180 185 190

Ser Ser Asp Val Ser Thr Ala Gly Thr Gly Ala Ser Arg Ser Ser His
195 200 205

Ser Ser Asp Ser Gly Gly Ser Asp Val Asp Leu Asp Pro Thr Asp Gly
210 215 220

Lys Leu Phe Pro Ser Asp Gly Phe Arg Asp Cys Lys Lys Gly Asp Pro
225 230 235 240

Lys His Gly Lys Arg Lys Arg Gly Arg Pro Arg Lys Leu Ser Lys Glu
245 250 255

Tyr Trp Asp Cys Leu Glu Gly Lys Lys Ser Lys His Ala Pro Arg Gly
260 265 270

Lys Asp Thr Glu Ile Thr Cys Ser Glu Arg Val Arg Thr Tyr Trp Ile
130 135 140

Ile Ile Glu Leu Lys His Lys Ala Arg Glu Lys Pro Tyr Asp Ser Lys
145 150 155 160

Ser Leu Arg Thr Ala Leu Gln Lys Glu Ile Thr Thr Arg Tyr Gln Leu
165 170 175

Asp Pro Lys Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn Val Ile Thr
180 185 190

Ile Asp Leu Val Gln Asn Ser Ser Gln Lys Thr Gln Asn Asp Val Asp
195 200 205

Ile Ala Asp Val Ala Tyr Tyr Phe Glu Lys Asp Val Lys Gly Glu Ser
210 215 220

Leu Phe His Ser Lys Lys Met Asp Leu Thr Val Asn Gly Glu Gln Leu
225 230 235 240

Asp Leu Asp Pro Gly Gln Thr Leu Ile Tyr Tyr Val Asp Glu Lys Ala
245 250 255

Pro Glu Phe Ser Met Gln Gly Leu Lys Ala Gly Val Ile Ala Val Ile
260 265 270

Val Val Val Val Ile Ala Val Val Ala Gly Ile Val Val Leu Val Ile
275 280 285

Ser Arg Lys Lys Arg Met Ala Lys Tyr Glu Lys Ala Glu Ile Lys Glu
290 295 300

Met Gly Glu Met His Arg Glu Leu Asn Ala
305 310

<210> 1111

<211> 1360

<212> DNA

<213> Homo sapiens

<400> 1111

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Ser Ala Arg Phe Val Ser Ser Ser Ser Ser Gly Gly Tyr Gly Gly Gly
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Tyr Gly Gly Val Leu Thr Ala Ser Asp Gly Leu Leu Ala Gly Asn Glu
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 Lys Leu Thr Met Gln Asn Leu Asn Asp Arg Leu Ala Ser Tyr Leu Asp
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 Lys Val Arg Ala Leu Glu Ala Ala Asn Gly Glu Leu Glu Val Lys Ile
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 Arg Asp Trp Tyr Gln Lys Gln Gly Pro Gly Pro Ser Arg Asp Tyr Ser
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 His Tyr Tyr Thr Thr Ile Gln Asp Leu Arg Asp Lys Ile Leu Gly Ala
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 Thr Ile Glu Asn Ser Arg Ile Val Leu Gln Ile Asp Asn Ala Arg Leu
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 Glu Glu Leu Ala Tyr Leu Lys Lys Asn His Glu Glu Glu Ile Ser Thr
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 Glu Val Met Ala Glu Gln Asn Arg Lys Asp Ala Glu Ala Trp Phe Thr
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 Gly Leu Glu Ile Glu Leu Gln Ser Gln Leu Ser Met Lys Ala Ala Leu
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 His Ile Gln Ala Leu Ile Ser Gly Ile Glu Ala Gln Leu Ala Asp Val
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 Glu Gly Cys Gln Cys Asp Ala Gly Phe Val Leu Ser Ala Asp Arg Cys
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 2005 2010 2015
 Glu Ala Gly Ser Glu Phe Trp Ala Asp Gly Thr Cys Ser Gln Trp Cys
 2020 2025 2030

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 Val Thr Leu Asp Gly His Arg Phe Asn Phe Gln Gly Thr Cys Glu Tyr
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 Glu Gly Cys Val Cys Asp Ala Gly Phe Val Leu Ser Gly Asp Thr Cys
 2370 2375 2380
 Val Pro Val Gly Gln Cys Gly Cys Leu His Asp Asp Arg Tyr Tyr Pro
 2385 2390 2395 2400
 Leu Gly Gln Thr Phe Tyr Pro Gly Pro Gly Cys Asp Ser Leu Cys Arg
 2405 2410 2415
 Cys Arg Glu Gly Gly Glu Val Ser Cys Glu Pro Ser Ser Cys Gly Pro
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 His Glu Thr Cys Arg Pro Ser Gly Gly Ser Leu Gly Cys Val Ala Val
 2435 2440 2445
 Gly Ser Thr Thr Cys Gln Ala Ser Gly Asp Pro His Tyr Thr Thr Phe
 2450 2455 2460

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Asp	Gly	Arg	Arg	Phe	Asp	Phe	Met	Gly	Thr	Cys	Val	Tyr	Val	Leu	Ala
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Gln	Thr	Cys	Gly	Thr	Arg	Pro	Gly	Leu	His	Arg	Phe	Ala	Val	Leu	Gln
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Glu	Asn	Val	Ala	Trp	Gly	Asn	Gly	Arg	Val	Ser	Val	Thr	Arg	Val	Ile
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Thr	Val	Gln	Val	Ala	Asn	Phe	Thr	Leu	Arg	Leu	Glu	Gln	Arg	Gln	Trp
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Lys	Val	Thr	Val	Asn	Gly	Val	Asp	Met	Lys	Leu	Pro	Val	Val	Leu	Ala
	2530					2535					2540				
Asn	Gly	Gln	Ile	Arg	Ala	Ser	Gln	His	Gly	Ser	Asp	Val	Val	Ile	Glu
2545					2550					2555					2560
Thr	Asp	Phe	Gly	Leu	Arg	Val	Ala	Tyr	Asp	Leu	Val	Tyr	Tyr	Val	Arg
				2565					2570						2575
Val	Thr	Val	Pro	Gly	Asn	Tyr	Tyr	Gln	Leu	Met	Cys	Gly	Leu	Cys	Gly
			2580					2585						2590	
Asn	Tyr	Asn	Gly	Asp	Pro	Lys	Asp	Asp	Phe	Gln	Lys	Pro	Asn	Gly	Ser
		2595					2600					2605			
Gln	Ala	Gly	Asn	Ala	Asn	Glu	Phe	Gly	Asn	Ser	Trp	Glu	Glu	Val	Val
	2610					2615					2620				
Pro	Asp	Ser	Pro	Cys	Leu	Pro	Pro	Pro	Thr	Cys	Pro	Pro	Gly	Ser	Glu
2625					2630					2635					2640
Gly	Cys	Ile	Pro	Ser	Glu	Glu	Cys	Pro	Pro	Glu	Leu	Glu	Lys	Lys	Tyr
				2645					2650						2655
Gln	Lys	Glu	Glu	Phe	Cys	Gly	Leu	Leu	Ser	Ser	Pro	Thr	Gly	Pro	Leu
			2660					2665						2670	
Ser	Ser	Cys	His	Lys	Leu	Val	Asp	Pro	Gln	Gly	Pro	Leu	Lys	Asp	Cys
		2675					2680					2685			
Ile	Phe	Asp	Leu	Cys	Leu	Gly	Gly	Gly	Asn	Leu	Ser	Ile	Leu	Cys	Ser
	2690					2695					2700				
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Glu	Pro	Trp	Arg	Asn	Glu	Thr	Phe	Cys	Pro	Met	Glu	Cys	Pro	Gln	Asn
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Ser	His	Tyr	Glu	Leu	Cys	Ala	Asp	Thr	Cys	Ser	Leu	Gly	Cys	Ser	Ala
			2740					2745					2750		
Leu	Ser	Ala	Pro	Leu	Gln	Cys	Pro	Asp	Gly	Cys	Ala	Glu	Gly	Cys	Gln
		2755					2760					2765			
Cys	Asp	Ser	Gly	Phe	Leu	Tyr	Asn	Gly	Gln	Ala	Cys	Val	Pro	Ile	Gln
	2770					2775					2780				
Gln	Cys	Gly	Cys	Tyr	His	Asn	Gly	Ala	Tyr	Tyr	Glu	Pro	Glu	Gln	Thr
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Val	Leu	Ile	Asp	Asn	Cys	Arg	Gln	Gln	Cys	Thr	Cys	His	Ala	Gly	Lys
				2805											

Asn Tyr Val Leu Ala Thr Thr Gly Cys Pro Gly Val Ser Thr Gln Gly
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 Leu Thr Pro Phe Thr Val Thr Thr Lys Asn Gln Asn Arg Gly Asn Pro
 2915 2920 2925
 Ala Val Ser Tyr Val Arg Val Val Thr Val Ala Ala Leu Gly Thr Asn
 2930 2935 2940
 Ile Ser Ile His Lys Asp Glu Ile Gly Lys Val Arg Val Asn Gly Val
 2945 2950 2955 2960
 Leu Thr Ala Leu Pro Val Ser Val Ala Asp Gly Arg Ile Ser Val Ala
 2965 2970 2975
 Gln Gly Ala Ser Lys Ala Leu Leu Val Ala Asp Phe Gly Leu Gln Val
 2980 2985 2990
 Ser Tyr Asp Trp Asn Trp Arg Val Asp Val Thr Leu Pro Ser Ser Tyr
 2995 3000 3005
 His Gly Ala Val Cys Gly Leu Cys Gly Asn Met Asp Arg Asn Pro Asn
 3010 3015 3020
 Asn Asp Gln Val Phe Pro Asn Gly Thr Leu Ala Pro Ser Ile Pro Ile
 3025 3030 3035 3040
 Trp Gly Gly Ser Trp Arg Ala Pro Gly Trp Asp Pro Leu Cys Trp Asp
 3045 3050 3055
 Glu Cys Arg Gly Ser Cys Pro Thr Cys Pro Glu Asp Arg Leu Glu Gln
 3060 3065 3070
 Tyr Glu Gly Pro Gly Phe Cys Gly Pro Leu Ala Pro Gly Thr Gly Gly
 3075 3080 3085
 Pro Phe Thr Thr Cys His Ala His Val Pro Pro Glu Ser Phe Phe Lys
 3090 3095 3100
 Gly Cys Val Leu Asp Val Cys Met Gly Gly Gly Asp His Asp Ile Leu
 3105 3110 3115 3120
 Cys Lys Ala Leu Ala Ser Tyr Val Ala Ala Cys Gln Ala Ala Gly Val
 3125 3130 3135
 Val Ile Glu Asp Trp Arg Ala Gln Val Gly Cys Glu Ile Thr Cys Pro
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 Glu Asn Ser His Tyr Glu Val Cys Gly Pro Pro Cys Pro Ala Ser Cys
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 Pro Ser Pro Ala Pro Leu Thr Thr Pro Ala Val Cys Glu Gly Pro Cys
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 Val Glu Gly Cys Gln Cys Asp Ala Gly Phe Val Leu Ser Ala Asp Arg
 3185 3190 3195 3200
 Cys Val Pro Leu Asn Asn Gly Cys Gly Cys Trp Ala Asn Gly Thr Tyr
 3205 3210 3215
 His Glu Ala Gly Ser Glu Phe Trp Ala Asp Gly Thr Cys Ser Gln Trp
 3220 3225 3230
 Cys Arg Cys Gly Pro Gly Gly Gly Ser Leu Val Cys Thr Pro Ala Ser
 3235 3240 3245
 Cys Gly Leu Gly Glu Val Cys Gly Leu Leu Pro Ser Gly Gln His Gly
 3250 3255 3260
 Cys Gln Pro Val Ser Thr Ala Glu Cys Gln Ala Trp Gly Asp Pro His
 3265 3270 3275 3280
 Tyr Val Thr Leu Asp Gly His Arg Phe Asp Phe Gln Gly Thr Cys Glu
 3285 3290 3295
 Tyr Leu Leu Ser Ala Pro Cys His Gly Pro Pro Leu Gly Ala Glu Asn
 3300 3305 3310
 Phe Thr Val Thr Val Ala Asn Glu His Arg Gly Ser Gln Ala Val Ser
 3315 3320 3325

Tyr Thr Arg Ser Val Thr Leu Gln Ile Tyr Asn His Ser Leu Thr Leu
 3330 3335 3340
 Ser Ala Arg Trp Pro Arg Lys Leu Gln Val Asp Gly Val Phe Val Thr
 3345 3350 3355 3360
 Leu Pro Phe Gln Leu Asp Ser Leu Leu His Ala His Leu Ser Gly Ala
 3365 3370 3375
 Asp Val Val Val Thr Thr Thr Ser Gly Leu Ser Leu Ala Phe Asp Gly
 3380 3385 3390
 Asp Ser Phe Val Arg Leu Arg Val Pro Ala Ala Tyr Ala Gly Ser Leu
 3395 3400 3405
 Cys Gly Leu Cys Gly Asn Tyr Asn Gln Asp Pro Ala Asp Asp Leu Lys
 3410 3415 3420
 Ala Val Gly Gly Lys Pro Ala Gly Trp Gln Val Gly Gly Ala Gln Gly
 3425 3430 3435 3440
 Cys Gly Glu Cys Val Ser Lys Pro Cys Pro Ser Pro Cys Thr Pro Glu
 3445 3450 3455
 Gln Gln Glu Ser Phe Gly Gly Pro Asp Ala Cys Gly Val Ile Ser Ala
 3460 3465 3470
 Thr Asp Gly Pro Leu Ala Pro Cys His Gly Leu Val Pro Pro Ala Gln
 3475 3480 3485
 Tyr Phe Gln Gly Cys Leu Leu Asp Ala Cys Gln Val Gln Gly His Pro
 3490 3495 3500
 Gly Gly Leu Cys Pro Ala Val Ala Thr Tyr Val Ala Ala Cys Gln Ala
 3505 3510 3515 3520
 Ala Gly Ala Gln Leu Arg Glu Trp Arg Arg Pro Asp Phe Cys Pro Phe
 3525 3530 3535
 Gln Cys Pro Ala His Ser His Tyr Glu Leu Cys Gly Asp Ser Cys Pro
 3540 3545 3550
 Gly Ser Cys Pro Ser Leu Ser Ala Pro Glu Gly Cys Glu Ser Ala Cys
 3555 3560 3565
 Arg Glu Gly Cys Val Cys Asp Ala Gly Phe Val Leu Ser Gly Asp Thr
 3570 3575 3580
 Cys Val Pro Val Gly Gln Cys Gly Cys Leu His Asp Asp Arg Tyr Tyr
 3585 3590 3595 3600
 Pro Leu Gly Gln Thr Phe Tyr Pro Gly Pro Gly Cys Asp Ser Leu Cys
 3605 3610 3615
 Arg Cys Arg Glu Gly Gly Glu Val Ser Cys Glu Pro Ser Ser Cys Gly
 3620 3625 3630
 Pro His Glu Thr Cys Arg Pro Ser Gly Gly Ser Leu Gly Cys Val Ala
 3635 3640 3645
 Val Gly Ser Thr Thr Cys Gln Ala Ser Gly Asp Pro His Tyr Thr Thr
 3650 3655 3660
 Phe Asp Gly Arg Arg Phe Asp Phe Met Gly Thr Cys Val Tyr Val Leu
 3665 3670 3675 3680
 Ala Gln Thr Cys Gly Thr Arg Pro Gly Leu His Arg Phe Ala Val Leu
 3685 3690 3695
 Gln Glu Asn Val Ala Trp Gly Asn Gly Arg Val Ser Val Thr Arg Val
 3700 3705 3710
 Ile Thr Val Gln Val Ala Asn Phe Thr Leu Arg Leu Glu Gln Arg Gln
 3715 3720 3725
 Trp Lys Val Thr Val Asn Gly Val Asp Met Lys Leu Pro Val Val Leu
 3730 3735 3740
 Ala Asn Gly Gln Ile Arg Ala Ser Gln His Gly Ser Asp Val Val Ile
 3745 3750 3755 3760

Glu Thr Asp Phe Gly Leu Arg Val Ala Tyr Asp Leu Val Tyr Tyr Val
 3765 3770 3775
 Arg Val Thr Val Pro Gly Asn Tyr Tyr Gln Leu Met Cys Gly Leu Cys
 3780 3785 3790
 Gly Asn Tyr Asn Gly Asp Pro Lys Asp Asp Phe Gln Lys Pro Asn Gly
 3795 3800 3805
 Ser Gln Ala Gly Asn Ala Asn Glu Phe Gly Asn Ser Trp Glu Glu Val
 3810 3815 3820
 Val Pro Asp Ser Pro Cys Leu Pro Pro Pro Thr Cys Pro Pro Gly Ser
 3825 3830 3835 3840
 Glu Gly Cys Ile Pro Ser Glu Glu Cys Pro Pro Glu Leu Glu Lys Lys
 3845 3850 3855
 Tyr Gln Lys Glu Glu Phe Cys Gly Leu Leu Ser Ser Pro Thr Gly Pro
 3860 3865 3870
 Leu Ser Ser Cys His Lys Leu Val Asp Pro Gln Gly Pro Leu Lys Asp
 3875 3880 3885
 Cys Ile Phe Asp Leu Cys Leu Gly Gly Gly Asn Leu Ser Ile Leu Cys
 3890 3895 3900
 Ser Asn Ile His Ala Tyr Val Ser Ala Cys Gln Ala Ala Gly Gly His
 3905 3910 3915 3920
 Val Glu Pro Trp Arg Asn Glu Thr Phe Cys Pro Met Glu Cys Pro Gln
 3925 3930 3935
 Asn Ser His Tyr Glu Leu Cys Ala Asp Thr Cys Ser Leu Gly Cys Ser
 3940 3945 3950
 Ala Leu Ser Ala Pro Leu Gln Cys Pro Asp Gly Cys Ala Glu Gly Cys
 3955 3960 3965
 Gln Cys Asp Ser Gly Phe Leu Tyr Asn Gly Gln Ala Cys Val Pro Ile
 3970 3975 3980
 Gln Gln Cys Gly Cys Tyr His Asn Gly Val Tyr Tyr Glu Pro Glu Gln
 3985 3990 3995 4000
 Thr Val Leu Ile Asp Asn Cys Arg Gln Gln Cys Thr Cys His Val Gly
 4005 4010 4015
 Lys Val Val Val Cys Gln Glu His Ser Cys Lys Pro Gly Gln Val Cys
 4020 4025 4030
 Gln Pro Ser Gly Gly Ile Leu Ser Cys Val Asn Lys Asp Pro Cys His
 4035 4040 4045
 Gly Val Thr Cys Arg Pro Gln Glu Thr Cys Lys Glu Gln Gly Gly Gln
 4050 4055 4060
 Gly Val Cys Leu Pro Asn Tyr Glu Ala Thr Cys Trp Leu Trp Gly Asp
 4065 4070 4075 4080
 Pro His Tyr His Ser Phe Asp Gly Arg Lys Phe Asp Phe Gln Gly Thr
 4085 4090 4095
 Cys Asn Tyr Val Leu Ala Thr Thr Gly Cys Pro Gly Val Ser Thr Gln
 4100 4105 4110
 Gly Leu Thr Pro Phe Thr Val Thr Thr Lys Asn Gln Asn Arg Gly Asn
 4115 4120 4125
 Pro Ala Val Ser Tyr Val Arg Val Val Thr Val Ala Ala Leu Gly Thr
 4130 4135 4140
 Asn Ile Ser Ile His Lys Asp Glu Ile Gly Lys Val Arg Val Asn Gly
 4145 4150 4155 4160
 Val Leu Thr Ala Leu Pro Val Ser Val Ala Asp Gly Arg Ile Ser Val
 4165 4170 4175
 Ala Gln Gly Ala Ser Lys Ala Leu Leu Val Ala Asp Phe Gly Leu Gln
 4180 4185 4190

Val	Ser	Tyr	Asp	Trp	Asn	Trp	Arg	Val	Asp	Val	Thr	Leu	Pro	Ser	Ser
		4195					4200					4205			
Tyr	His	Gly	Ala	Val	Cys	Gly	Leu	Cys	Gly	Asn	Met	Asp	Arg	Asn	Pro
	4210					4215				4220					
Asn	Asn	Asp	Gln	Val	Phe	Pro	Asn	Gly	Thr	Leu	Ala	Pro	Ser	Ile	Pro
4225					4230					4235					4240
Ile	Trp	Gly	Gly	Ser	Trp	Arg	Ala	Pro	Gly	Trp	Asp	Pro	Leu	Cys	Trp
				4245					4250					4255	
Asp	Glu	Cys	Arg	Gly	Ser	Cys	Pro	Thr	Cys	Pro	Glu	Asp	Arg	Leu	Glu
			4260					4265					4270		
Gln	Tyr	Glu	Gly	Pro	Gly	Phe	Cys	Gly	Pro	Leu	Ala	Ser	Gly	Thr	Gly
		4275					4280					4285			
Gly	Pro	Phe	Thr	Thr	Cys	His	Ala	His	Val	Pro	Pro	Glu	Ser	Phe	Phe
	4290					4295						4300			
Lys	Gly	Cys	Val	Leu	Asp	Val	Cys	Met	Gly	Gly	Gly	Asp	His	Asp	Ile
4305					4310					4315					4320
Leu	Cys	Lys	Ala	Leu	Ala	Ser	Tyr	Val	Ala	Ala	Cys	Gln	Ala	Ala	Gly
				4325					4330					4335	
Val	Val	Ile	Glu	Asp	Trp	Arg	Ala	Gln	Val	Gly	Cys	Glu	Ile	Thr	Cys
			4340					4345					4350		
Pro	Glu	Asn	Ser	His	Tyr	Glu	Val	Cys	Gly	Pro	Pro	Cys	Pro	Ala	Ser
		4355					4360					4365			
Cys	Pro	Ser	Pro	Ala	Pro	Leu	Thr	Thr	Pro	Ala	Val	Cys	Glu	Gly	Pro
	4370					4375					4380				
Cys	Val	Glu	Gly	Cys	Gln	Cys	Asp	Ala	Gly	Phe	Val	Leu	Ser	Ala	Asp
4385					4390					4395					4400
Arg	Cys	Val	Pro	Leu	Asn	Asn	Gly	Cys	Gly	Cys	Trp	Ala	Asn	Gly	Thr
				4405					4410					4415	
Tyr	His	Glu	Ala	Gly	Ser	Glu	Phe	Trp	Ala	Asp	Gly	Thr	Cys	Ser	Gln
			4420					4425					4430		
Trp	Cys	Arg	Cys	Gly	Pro	Gly	Gly	Gly	Ser	Leu	Val	Cys	Thr	Pro	Ala
		4435					4440					4445			
Ser	Cys	Gly	Leu	Gly	Glu	Val	Cys	Gly	Leu	Leu	Pro	Ser	Gly	Gln	His
	4450					4455					4460				
Ser	Cys	Gln	Pro	Val	Ser	Thr	Ala	Glu	Cys	Gln	Ala	Trp	Gly	Asp	Pro
4465					4470					4475					4480
His	Tyr	Val	Thr	Leu	Asp	Gly	His	Arg	Phe	Asp	Phe	Gln	Gly	Thr	Cys
				4485					4490					4495	
Glu	Tyr	Leu	Leu	Ser	Ala	Pro	Cys	His	Gly	Pro	Pro	Leu	Gly	Ala	Glu
			4500					4505					4510		
Asn	Phe	Thr	Val	Thr	Val	Ala	Asn	Glu	His	Arg	Gly	Ser	Gln	Ala	Val
		4515					4520					4525			
Ser	Tyr	Thr	Arg	Ser	Val	Thr	Leu	Gln	Ile	Tyr	Asn	His	Ser	Leu	Thr
	4530					4535									

Lys	Ala	Val	Gly	Gly	Lys	Pro	Ala	Gly	Trp	Gln	Val	Gly	Gly	Ala	Gln
4625					4630					4635					4640
Gly	Cys	Gly	Glu	Cys	Val	Ser	Lys	Pro	Cys	Pro	Ser	Pro	Cys	Thr	Pro
				4645					4650					4655	
Glu	Gln	Gln	Glu	Ser	Phe	Gly	Gly	Pro	Asp	Ala	Cys	Gly	Val	Ile	Ser
			4660					4665					4670		
Ala	Thr	Asp	Gly	Pro	Leu	Ala	Pro	Cys	His	Gly	Leu	Val	Pro	Pro	Ala
		4675					4680					4685			
Gln	Tyr	Phe	Gln	Gly	Cys	Leu	Leu	Asp	Ala	Cys	Gln	Val	Gln	Gly	His
	4690				4695					4700					
Pro	Gly	Gly	Leu	Cys	Pro	Ala	Val	Ala	Thr	Tyr	Val	Ala	Ala	Cys	Gln
4705					4710					4715					4720
Ala	Ala	Gly	Ala	Gln	Leu	Gly	Glu	Trp	Arg	Arg	Pro	Asp	Phe	Cys	Pro
				4725				4730						4735	
Leu	Gln	Cys	Pro	Ala	His	Ser	His	Tyr	Glu	Leu	Cys	Gly	Asp	Ser	Cys
			4740					4745					4750		
Pro	Val	Ser	Cys	Pro	Ser	Leu	Ser	Ala	Pro	Glu	Gly	Cys	Glu	Ser	Ala
		4755					4760					4765			
Cys	Arg	Glu	Gly	Cys	Val	Cys	Asp	Ala	Gly	Phe	Val	Leu	Ser	Gly	Asp
	4770					4775					4780				
Thr	Cys	Val	Pro	Val	Gly	Gln	Cys	Gly	Cys	Leu	His	Asp	Gly	Arg	Tyr
4785					4790					4795					4800
Tyr	Pro	Leu	Gly	Glu	Val	Phe	Tyr	Pro	Gly	Pro	Glu	Cys	Glu	Arg	Arg
				4805					4810					4815	
Cys	Glu	Cys	Gly	Pro	Gly	Gly	His	Val	Thr	Cys	Gln	Glu	Gly	Ala	Ala
			4820					4825					4830		
Cys	Gly	Pro	His	Glu	Glu	Cys	Arg	Leu	Glu	Asp	Gly	Val	Gln	Ala	Cys
	4835						4840					4845			
His	Ala	Thr	Gly	Cys	Gly	Arg	Cys	Leu	Ala	Asn	Gly	Gly	Ile	His	Tyr
	4850					4855					4860				
Ile	Thr	Leu	Asp	Gly	Arg	Val	Tyr	Asp	Leu	His	Gly	Ser	Cys	Ser	Tyr
4865					4870				4875						4880
Val	Leu	Ala	Gln	Val	Cys	His	Pro	Lys	Pro	Gly	Asp	Glu	Asp	Phe	Ser
				4885					4890					4895	
Ile	Val	Leu	Glu	Lys	Asn	Ala	Ala	Gly	His	Leu	Gln	Arg	Leu	Leu	Val
			4900					4905					4910		
Thr	Val	Ala	Gly	Gln	Val	Val	Ser	Leu	Ala	Gln	Gly	Gln	Gln	Val	Thr
		4915					4920						4925		
Val	Asp	Gly	Glu	Ala	Val	Ala	Leu	Pro	Val	Ala	Val	Gly	Arg	Val	Arg
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Val	Thr	Ala	Glu	Gly	Arg	Asn	Met	Val	Leu	Gln	Thr	Thr	Lys	Gly	Leu
4945					4950					4955					4960
Arg	Leu	Leu	Phe	Asp	Gly	Asp	Ala	His	Leu	Leu	Met	Ser	Ile	Pro	Ser
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Glu Leu Asp Ala Ile Ala Pro Lys Arg Glu Lys Thr His Gly Glu Val
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 Glu Arg Arg Ile Val Ser Gln Leu Leu Thr Leu Met Asp Gly Leu Lys
 325 330 335
 Gln Arg Ala His Val Ile Val Met Ala Ala Thr Asn Arg Pro Asn Ser
 340 345 350
 Ile Asp Pro Ala Leu Arg Arg Phe Gly Arg Phe Asp Arg Glu Val Asp
 355 360 365
 Ile Gly Ile Pro Asp Ala Thr Gly Arg Leu Glu Ile Leu Gln Ile His
 370 375 380
 Thr Lys Asn Met Lys Leu Ala Asp Asp Val Asp Leu Glu Gln Val Ala
 385 390 395 400
 Asn Glu Thr His Gly His Val Gly Ala Asp Leu Ala Ala Leu Cys Ser
 405 410 415
 Glu Ala Ala Leu Gln Ala Ile Arg Lys Lys Met Asp Leu Ile Asp Leu
 420 425 430
 Glu Asp Glu Thr Ile Asp Ala Glu Val Met Asn Ser Leu Ala Val Thr
 435 440 445
 Met Asp Asp Phe Arg Trp Ala Leu Ser Gln Ser Asn Pro Ser Ala Leu
 450 455 460
 Arg Glu Thr Val Val Glu Val Pro Gln Val Thr Trp Glu Asp Ile Gly
 465 470 475 480
 Gly Leu Glu Asp Val Lys Arg Glu Leu Gln Glu Leu Val Gln Tyr Pro
 485 490 495
 Val Glu His Pro Asp Lys Phe Leu Lys Phe Gly Met Thr Pro Ser Lys
 500 505 510
 Gly Val Leu Phe Tyr Gly Pro Pro Gly Cys Gly Lys Thr Leu Leu Ala
 515 520 525
 Lys Ala Ile Ala Asn Glu Cys Gln Ala Asn Phe Ile Ser Ile Lys Gly
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 Pro Glu Leu Leu Thr Met Trp Phe Gly Glu Ser Glu Ala Asn Val Arg
 545 550 555 560
 Glu Ile Phe Asp Lys Ala Arg Gln Ala Ala Pro Cys Val Leu Phe Phe
 565 570 575
 Asp Glu Leu Asp Ser Ile Ala Lys Ala Arg Gly Gly Asn Ile Gly Asp
 580 585 590

Gly Gly Gly Ala Ala Asp Arg Val Ile Asn Gln Ile Leu Thr Glu Met
595 600 605

Asp Gly Met Ser Thr Lys Lys Asn Val Phe Ile Ile Gly Ala Thr Asn
610 615 620

Arg Pro Asp Ile Ile Asp Pro Ala Ile Leu Arg Pro Gly Arg Leu Asp
625 630 635 640

Gln Leu Ile Tyr Ile Pro Leu Pro Asp Glu Lys Ser Arg Val Ala Ile
645 650 655

Leu Lys Ala Asn Leu Arg Lys Ser Pro Val Ala Lys Asp Val Asp Leu
660 665 670

Glu Phe Leu Ala Lys Met Thr Asn Gly Phe Ser Gly Ala Asp Leu Thr
675 680 685

Glu Ile Cys Gln Arg Ala Cys Lys Leu Ala Ile Arg Glu Ser Ile Glu
690 695 700

Ser Glu Ile Arg Arg Glu Arg Glu Arg Gln Thr Asn Pro Ser Ala Met
705 710 715 720

Glu Val Glu Glu Asp Asp Pro Val Pro Glu Ile Arg Arg Asp His Phe
725 730 735

Glu Glu Ala Met Arg Phe Ala Arg Arg Ser Val Ser Asp Asn Asp Ile
740 745 750

Arg Lys Tyr Glu Met Phe Ala Gln Thr Leu Gln Gln Ser Arg Gly Phe
755 760 765

Gly Ser Phe Arg Phe Pro Ser Gly Asn Gln Gly Gly Ala Gly Pro Ser
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Gln Gly Ser Gly Gly Gly Thr Gly Gly Ser Val Tyr Thr Glu Asp Asn
785 790 795 800

Asp Asp Asp Leu Tyr Gly
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<210> 1118

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Met Ala Ser Gly Ala Asp Ser Lys Gly Asp Asp Leu Ser Thr Ala Ile
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Leu Lys Gln Lys Asn Arg Pro Asn Arg Leu Ile Val Asp Glu Ala Ile
20 25 30

LEU-ASP-ASP-LEU-TYR-GLY

Asn	Glu	Asp	Asn	Ser	Val	Val	Ser	Leu	Ser	Gln	Pro	Lys	Met	Asp	Glu
		35					40					45			
Leu	Gln	Leu	Phe	Arg	Gly	Asp	Thr	Val	Leu	Leu	Lys	Gly	Lys	Lys	Arg
	50					55					60				
Arg	Glu	Ala	Val	Cys	Ile	Val	Leu	Ser	Asp	Asp	Thr	Cys	Ser	Asp	Glu
	65				70					75					80
Lys	Ile	Arg	Met	Asn	Arg	Val	Val	Arg	Asn	Asn	Leu	Arg	Val	Arg	Leu
				85					90					95	
Gly	Asp	Val	Ile	Ser	Ile	Gln	Pro	Cys	Pro	Asp	Val	Lys	Tyr	Gly	Lys
			100					105					110		
Arg	Ile	His	Val	Leu	Pro	Ile	Asp	Asp	Thr	Val	Glu	Gly	Ile	Thr	Gly
		115					120					125			
Asn	Leu	Phe	Glu	Val	Tyr	Leu	Lys	Pro	Tyr	Phe	Leu	Glu	Ala	Tyr	Arg
	130					135					140				
Pro	Ile	Arg	Lys	Gly	Asp	Ile	Phe	Leu	Val	Arg	Gly	Gly	Met	Arg	Ala
145					150					155					160
Val	Glu	Phe	Lys	Val	Val	Glu	Thr	Asp	Pro	Ser	Pro	Tyr	Cys	Ile	Val
				165					170					175	
Ala	Pro	Asp	Thr	Val	Ile	His	Cys	Glu	Gly	Glu	Pro	Ile	Lys	Arg	Glu
			180					185					190		
Asp	Glu	Glu	Glu	Ser	Leu	Asn	Glu	Val	Gly	Tyr	Asp	Asp	Ile	Gly	Gly
		195					200					205			
Cys	Arg	Lys	Gln	Leu	Ala	Gln	Ile	Lys	Glu	Met	Val	Glu	Leu	Pro	Leu
	210					215					220				
Arg	His	Pro	Ala	Leu	Phe	Lys	Ala	Ile	Gly	Val	Lys	Pro	Pro	Arg	Gly
225					230					235					240
Ile	Leu	Leu	Tyr	Gly	Pro	Pro	Gly	Thr	Gly	Lys	Thr	Leu	Ile	Ala	Arg
				245					250					255	
Ala	Val	Ala	Asn	Glu	Thr	Gly	Ala	Phe	Phe	Phe	Leu	Ile	Asn	Gly	Pro
			260					265					270		
Glu	Ile	Met	Ser	Lys	Leu	Ala	Gly	Glu	Ser	Glu	Ser	Asn	Leu	Arg	Lys
		275					280					285			
Ala	Phe	Glu	Glu	Ala	Glu	Lys	Asn	Ala	Pro	Ala	Ile	Ile	Phe	Ile	Asp
		290				295					300				
Glu	Leu	Asp	Ala	Ile	Ala	Pro	Lys	Arg	Glu	Lys	Thr	His	Gly	Glu	Val
305					310					315					320

Glu Arg Arg Ile Val Ser Gln Leu Leu Thr Leu Met Asp Gly Leu Lys
 325 330 335
 Gln Arg Ala His Val Ile Val Met Ala Ala Thr Asn Arg Pro Asn Ser
 340 345 350
 Ile Asp Pro Ala Leu Arg Arg Phe Gly Arg Phe Asp Arg Glu Val Asp
 355 360 365
 Ile Gly Ile Pro Asp Ala Thr Gly Arg Leu Glu Ile Leu Gln Ile His
 370 375 380
 Thr Lys Asn Met Lys Leu Ala Asp Asp Val Asp Leu Glu Gln Val Ala
 385 390 395 400
 Asn Glu Thr His Gly His Val Gly Ala Asp Leu Ala Ala Leu Cys Ser
 405 410 415
 Glu Ala Ala Leu Gln Ala Ile Arg Lys Lys Met Asp Leu Ile Asp Leu
 420 425 430
 Glu Asp Glu Thr Ile Asp Ala Glu Val Met Asn Ser Leu Ala Val Thr
 435 440 445
 Met Asp Asp Phe Arg Trp Ala Leu Ser Gln Ser Asn Pro Ser Ala Leu
 450 455 460
 Arg Glu Thr Val Val Glu Val Pro Gln Val Thr Trp Glu Asp Ile Gly
 465 470 475 480
 Gly Leu Glu Asp Val Lys Arg Glu Leu Gln Glu Leu Val Gln Tyr Pro
 485 490 495
 Val Glu His Pro Asp Lys Phe Leu Lys Phe Gly Met Thr Pro Ser Lys
 500 505 510
 Gly Val Leu Phe Tyr Gly Pro Pro Gly Cys Gly Lys Thr Leu Leu Ala
 515 520 525
 Lys Ala Ile Ala Asn Glu Cys Gln Ala Asn Phe Ile Ser Ile Lys Gly
 530 535 540
 Pro Glu Leu Leu Thr Met Trp Phe Gly Glu Ser Glu Ala Asn Val Arg
 545 550 555 560
 Glu Ile Phe Asp Lys Ala Arg Gln Ala Ala Pro Cys Val Leu Phe Phe
 565 570 575
 Asp Glu Leu Asp Ser Ile Ala Lys Ala Arg Gly Gly Asn Ile Gly Asp
 580 585 590
 Gly Gly Gly Ala Ala Asp Arg Val Ile Asn Gln Ile Leu Thr Glu Met
 595 600 605

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<210> 1120
<211> 732
<212> DNA
<213> Homo sapiens
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<210> 1121
<211> 446
<212> PRT
<213> Homo sapiens
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Thr Phe Val Cys Pro Thr Glu Val Ile Ala Phe Ser Asp Ser Val Ser

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Arg Phe Asn Glu Leu Asn Cys Glu Val Leu Ala Cys Ser Ile Asp Ser				
65		70		75 80
Glu Tyr Ala His Leu Gln Trp Thr Leu Gln Asp Arg Lys Lys Gly Gly				
	85		90	95
Leu Gly Thr Met Ala Ile Pro Met Leu Ala Asp Lys Thr Lys Ser Ile				
	100		105	110
Ala Arg Ser Tyr Gly Val Leu Glu Glu Ser Gln Gly Val Ala Tyr Arg				
	115		120	125
Gly Leu Phe Ile Ile Asp Pro His Gly Met Leu Arg Gln Ile Thr Val				
	130		135	140
Asn Asp Met Pro Val Gly Arg Ser Val Glu Glu Val Leu Arg Leu Leu				
	145		150	155 160
Glu Ala Phe Gln Phe Val Glu Lys His Gly Glu Val Cys Pro Ala Asn				
		165	170	175
Trp Lys Lys Gly Ala Pro Thr Met Lys Pro Glu Pro Asn Ala Ser Val				
	180		185	190
Glu Gly Tyr Phe Ser Lys Gln Ser Arg Glu Phe Met Ala Gly Val Ser				
	195		200	205
Ala Cys Ile Lys Tyr Ser Met Phe Thr Phe Asn Phe Leu Phe Trp Leu				
	210		215	220
Cys Gly Ile Leu Ile Leu Ala Leu Ala Ile Trp Val Arg Val Ser Asn				
	225		230	235 240
Asp Ser Gln Ala Ile Phe Gly Ser Glu Asp Val Gly Ser Ser Ser Tyr				
	245		250	255
Val Ala Val Asp Ile Leu Ile Ala Val Gly Ala Ile Ile Met Ile Leu				
	260		265	270
Gly Phe Leu Gly Cys Cys Gly Ala Ile Lys Glu Ser Arg Cys Met Leu				
	275		280	285
Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu Leu Leu Gln Val Ala				
	290		295	300
Thr Gly Ile Leu Gly Ala Val Phe Lys Ser Lys Ser Asp Arg Ile Val				
	305		310	315 320
Asn Glu Thr Leu Tyr Glu Asn Thr Lys Leu Leu Ser Ala Thr Gly Glu				
	325		330	335
Ser Glu Lys Gln Phe Gln Glu Ala Ile Ile Val Phe Gln Glu Glu Phe				

340							345					350				
Lys	Cys	Cys	Gly	Leu	Val	Asn	Gly	Ala	Ala	Asp	Trp	Gly	Asn	Asn	Phe	
		355					360					365				
Gln	His	Tyr	Pro	Glu	Leu	Cys	Ala	Cys	Leu	Asp	Lys	Gln	Arg	Pro	Cys	
	370					375					380					
Gln	Ser	Tyr	Asn	Gly	Lys	Gln	Val	Tyr	Lys	Glu	Thr	Cys	Ile	Ser	Phe	
385					390					395					400	
Ile	Lys	Asp	Phe	Leu	Ala	Lys	Asn	Leu	Ile	Ile	Val	Ile	Gly	Ile	Ser	
				405					410					415		
Phe	Gly	Leu	Ala	Val	Ile	Glu	Ile	Leu	Gly	Leu	Val	Phe	Ser	Met	Val	
			420					425					430			
Leu	Tyr	Cys	Gln	Ile	Gly	Asn	Lys	His	His	His	His	His	His			
		435					440					445				
<210> 1122																
<211> 243																
<212> PRT																
<213> Homo sapiens																
<400> 1122																
Met	Ala	Gly	Val	Ser	Ala	Cys	Ile	Lys	Tyr	Ser	Met	Phe	Thr	Phe	Asn	
				5					10					15		
Phe	Leu	Phe	Trp	Leu	Cys	Gly	Ile	Leu	Ile	Leu	Ala	Leu	Ala	Ile	Trp	
			20					25					30			
Val	Arg	Val	Ser	Asn	Asp	Ser	Gln	Ala	Ile	Phe	Gly	Ser	Glu	Asp	Val	
		35					40					45				
Gly	Ser	Ser	Ser	Tyr	Val	Ala	Val	Asp	Ile	Leu	Ile	Ala	Val	Gly	Ala	
	50					55					60					
Ile	Ile	Met	Ile	Leu	Gly	Phe	Leu	Gly	Cys	Cys	Gly	Ala	Ile	Lys	Glu	
65					70					75					80	
Ser	Arg	Cys	Met	Leu	Leu	Leu	Phe	Phe	Ile	Gly	Leu	Leu	Leu	Ile	Leu	
			85						90					95		
Leu	Leu	Gln	Val	Ala	Thr	Gly	Ile	Leu	Gly	Ala	Val	Phe	Lys	Ser	Lys	
			100					105					110			
Ser	Asp	Arg	Ile	Val	Asn	Glu	Thr	Leu	Tyr	Glu	Asn	Thr	Lys	Leu	Leu	
		115					120					125				
Ser	Ala	Thr	Gly	Glu	Ser	Glu	Lys	Gln	Phe	Gln	Glu	Ala	Ile	Ile	Val	
	130					135					140					

Phe Gln Glu Glu Phe Lys Cys Cys Gly Leu Val Asn Gly Ala Ala Asp
145 150 155 160

Trp Gly Asn Asn Phe Gln His Tyr Pro Glu Leu Cys Ala Cys Leu Asp
165 170 175

Lys Gln Arg Pro Cys Gln Ser Tyr Asn Gly Lys Gln Val Tyr Lys Glu
180 185 190

Thr Cys Ile Ser Phe Ile Lys Asp Phe Leu Ala Lys Asn Leu Ile Ile
195 200 205

Val Ile Gly Ile Ser Phe Gly Leu Ala Val Ile Glu Ile Leu Gly Leu
210 215 220

Val Phe Ser Met Val Leu Tyr Cys Gln Ile Gly Asn Lys His His His
225 230 235 240

His His His

<210> 1123

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1123

ggagctagcg ccgcatggc aggtgtgagt gcctg

35

<210> 1124

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1124

gccggatcct caatggtgat ggtgatggtg tttgttccc atctggcaat acag

54

<210> 1125

<211> 3919

<212> DNA

<213> Homo sapiens

<400> 1125

gggcagagcg tcagcaagag tacagagaga aactccaagg gctgtgtgat ctctcacc 60
agactgaaaa ccgcctaatt agtaaccagg aagcctttgt gattggagac ggcacggtgg 120

1123-1124

<210> 1126

<212> PRT

<400> 1126

Asp Lys Ile Val Glu Leu Asn Thr Lys Leu Ser Lys Leu Gln Lys Ala
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Gln Glu Glu Ser Ser Ala Met Met Gln Trp Leu Glu Lys Met Asn Lys
35 40 45

Thr Ala Ser Arg Trp Pro Pro Pro Pro Thr Pro Ala Asp Thr Glu Ser
50 55 60

Val	Lys	Leu	Gln	Val	Glu	Gln	Asn	Lys	Ser	Phe	Glu	Ala	Glu	Leu	Lys
65					70					75					80

Gln Asn Val Asn Lys Val Gln Glu Leu Lys Asp Lys Leu Ser Glu Leu
85 90 95

Leu Glu Glu Asn Pro Glu Ala Pro Glu Ala Gln Ser Trp Lys Gln Ala
100 105 110

Leu Ala Glu Met Asp Thr Lys Trp Gln Glu Leu Asn Gln Leu Thr Met
115 120 125

Asp Arg Gln Gln Lys Leu Glu Glu Ser Ser Asn Asn Leu Thr Gln Phe
130 135 140

Gln Thr Thr Glu Ala Gln Leu Lys Gln Trp Leu Met Glu Lys Glu Leu
145 150 155 160

Met Val Ser Val Leu Gly Pro Leu Ser Ile Asp Pro Asn Lys Thr Gln
165 170 175

Gln Lys Ile Thr Ser Met Gly Glu Asp Ile Glu Asn Ser Glu Cys Cys
180 185 190

Ala Ala

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health status	0.8	0.2	0	1
Stress level	3.5	1.5	1	5
Life satisfaction	4.2	1.0	1	5
Work satisfaction	3.8	1.2	1	5
Family satisfaction	4.0	1.1	1	5
Community satisfaction	3.9	1.2	1	5
Overall satisfaction	4.1	1.1	1	5

Met Gln Gly Ser Thr Gln Ala Met Glu Glu Ile Val Arg Asn Thr Glu
5 10 15

Leu Ile Glu Gln Lys Leu Asn Glu Val Lys Met Lys Cys Ala Gln Leu
35 40 45

Thr Ala Leu Lys Glu Glu Thr Glu Lys Val Ala Ala Val Arg Gln Leu
65 70 75 80

Val Glu Glu Asp Ser Glu Gly Val Trp Thr Lys His Thr Gln Pro Met
100 105 110

Gly Glu Glu Asp Glu Val Asn Gly Asn Leu Leu Glu Thr Asp Ala Glu
130 135 140

Val Lys Ala Gln His Gly Lys Ile Met Ala Gln His Gln Ala Val Leu
165 170 175

Leu Ser Pro Glu Glu Lys Glu Lys Leu Gln Lys Asn Thr Gln Glu Leu
195 200 205

Leu Thr His Ser Leu Gln Glu Glu Leu Glu Lys Phe Asp Thr Asp Tyr
225 230 235 240

Ser Glu Phe Glu His Trp Leu Gln Gln Ser Glu Gln Glu Leu Ala Asn
 245 250 255
 Leu Glu Ala Gly Ala Asp Asp Leu Ser Gly Leu Met Asp Lys Leu Thr
 260 265 270
 Arg Gln Lys Ser Phe Ser Glu Asp Val Ile Ser His Lys Gly Asp Leu
 275 280 285
 Arg Tyr Ile Thr Ile Ser Gly Asn Arg Val Ile Asp Ala Ala Lys Ser
 290 295 300
 Cys Ser Lys Arg Asp Ser Asp Arg Ile Gly Lys Asp Ser Val Glu Thr
 305 310 315 320
 Ser Ala Thr His Arg Glu Val Gln Thr Lys Leu Asp Gln Val Thr Asp
 325 330 335
 Arg Phe Arg Ser Leu Tyr Ser Lys Cys Ser Val Leu Gly Asn Asn Leu
 340 345 350
 Lys Asp Leu Val Asp Gln Tyr Gln Gln Tyr Glu Asp Ala Ser Cys Gly
 355 360 365
 Leu Leu Ser Gly Leu Gln Ala Cys Glu Ala Lys Ala Ser Lys His Leu
 370 375 380
 Arg Glu Pro Ile Ala Leu Asp Pro Lys Asn Leu Gln Arg Gln Leu Glu
 385 390 395 400
 Glu Thr Lys Ala Leu Gln Gly Gln Ile Ser Ser Gln Gln Val Ala Val
 405 410 415
 Glu Lys Leu Lys Lys Thr Ala Glu Val Leu Leu Asp Ala Lys Gly Ser
 420 425 430
 Leu Leu Pro Ala Lys Asn Asp Ile Gln Lys Thr Leu Asp Asp Ile Val
 435 440 445
 Gly Arg Tyr Asp Asp Leu Ser Lys Cys Val Asn Glu Arg Asn Glu Lys
 450 455 460
 Leu Gln Ile Thr Leu Thr Arg Ser Leu Ser Val Gln Asp Ala Leu Asp
 465 470 475 480
 Glu Met Leu Asp Trp Met Gly Ser Val Glu Ser Ser Leu Val Lys Pro
 485 490 495
 Gly Gln Val Pro Leu Asn Ser Thr Ala Leu Gln Asp Leu Ile Ser Lys
 500 505 510
 Asp Thr Met Leu Glu Gln Asp Ile Thr Gly Arg Gln Ser Ser Ile Asn
 515 520 525

100530-2404

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<211> 80
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<212> PRT
 <213> Homo sapiens

<400> 1128
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 Glu Ala Asn Pro Arg Ala Glu Phe Gly Thr Arg Pro Val Ile Leu Ser
 20 25 30
 His Ser Leu Glu Ile Thr Ser Val Thr Lys His Lys Tyr Ser Ser Leu
 35 40 45
 Glu Cys Leu Asn Val Ala Ile Phe Leu Lys Ala Arg Arg Val Thr Leu
 50 55 60
 Trp Tyr Leu Lys Gly Leu Asn Phe Arg Met Gln Asn Lys Leu Pro Phe
 65 70 75 80

<210> 1129
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 1129
 Met Tyr Phe Arg Ser Lys Gln Arg Cys Ser Pro Met Ile Met Asp Val
 5 10 15
 Lys Ala Pro Ala Val Val Leu Phe Val Phe Lys Gly Tyr Ile Leu Ile
 20 25 30
 Val Glu Ala Ser Asn Met Ser Val Ile Ser Ser His Ser Glu Ile Lys
 35 40 45
 Arg Leu Ile Leu Val Phe Ile Phe Trp His Phe Lys Phe Tyr Ile Asn
 50 55 60
 Gly Cys Arg Trp Arg Leu Ser Pro Thr Asn Ile Phe Lys Trp Ile Phe
 65 70 75 80
 Leu Asn Leu Asn Phe Lys
 85

10025380-12901